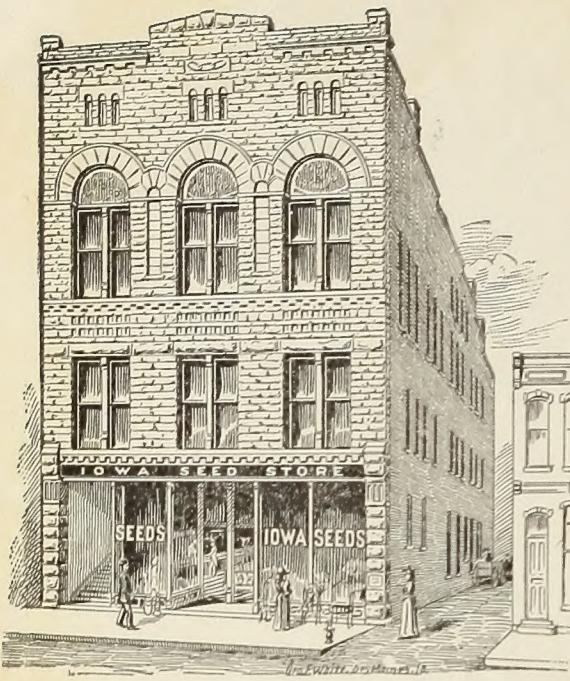


## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.







*Our New Store—44x133 feet.*

M. KURTZWEIL, President. | ESTABLISHED 1871.  
M. L. PAGE, Vice-President. | INCORPORATED 1889. | L. W. TERRY, Secretary.  
CHAS. N. PAGE, Treas. and Mgr.

.... OFFICE OF ....

# Iowa Seed Company,

613-615 LOCUST STREET.

Des Moines, Iowa, January 1, 1896.

HEARTY greetings and good wishes are hereby extended to our many friends and customers, and we thank you for your orders during the past year which was the most prosperous season that we have ever had. The number of orders and total cash receipts were more than 40 per cent larger than the previous year. The demand for our CHOICE IOWA SEEDS is becoming more extended, and orders are now being received not only from all parts of the United States, but also from many foreign countries. We are not, however, catering to the trade of foreign countries, as it is our aim to offer nothing which is not fully adapted to culture here. In examining foreign catalogues it is interesting to note how much value and importance they attach to being "Seedsmen to Her Majesty, Queen Victoria," or to "His Royal Highness, the Prince of Wales," or to "His Most August Majesty, Emperor William of Germany." With us, our highest ambition is to be known throughout the country as the

## "Seedsmen to the American People."

By this we mean not only the native born Americans, but all residents of this country. Many of our most valued customers came from other lands, and, in fact, one of the proprietors of this company is of foreign birth, but he is now just as loyal as anyone to our beloved country.

We claim that the soil and climate of Iowa are especially adapted to the perfect growth and maturing of seed crops, and for a quarter of a century we have been located here and devoted much time and labor to testing, experimenting, selecting and improving our various choice strains of seed. If you think that our years of practical study of varieties suited to culture in this locality would be of benefit to you, we solicit your orders and will do our best to please you. With few exceptions all of our crops are good this year.

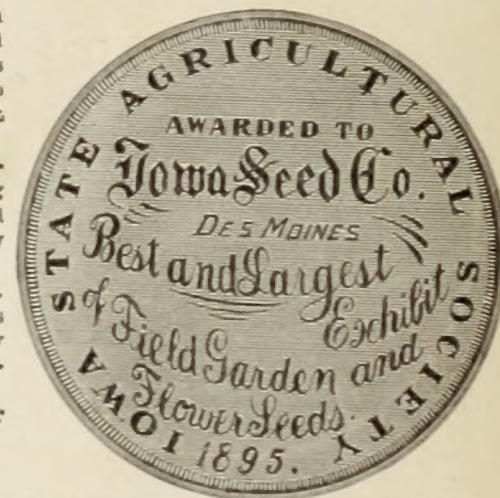
Our new store is as conveniently arranged a building as there is America for the seed business and orders can be filled with great rapidity, our mail during the busy season averaging 1,000 to 1,800 letters and postals per day. About five blocks away, located beside the railroad tracks is our warehouses, where large quantities of seed are stored and hauled to our city store as needed, no orders being filled from the warehouse except carload lots.

**FARMERS.**—It will pay every farmer to thoroughly examine our field seed department. This is a specialty with us and we believe that there is no seed firm in the country which gives more close attention to growing and handling farm seeds. We have many desirable new sorts, and it will pay you well to renew your seed corn, oats, etc., with better and more profitable varieties. Iowa grown seeds are the best.

Again thanking you for past favors, and respectfully soliciting a continuance of your patronage, we remain,

Your friends,

## IOWA SEED COMPANY.



Medal awarded to us at the Iowa State Fair, 1895.

## SUGGESTIONS TO CUSTOMERS.

**ORDER EARLY.**—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received as cash.

**SHIPPING.**—There are five express companies and fifteen railroads centering at Des Moines, so that quick shipments can be made to any town in the United States.

**CHARGES PREPAID.**—All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent *prepaid* by mail or express by the quickest and most direct route, unless ordered otherwise, and we guarantee their safe arrival. Seeds sold by the peck or bushel, field seeds, potatoes, implements, and other heavy goods are sent by freight or express, purchaser paying charges.

**TESTING.**—All seeds are carefully tested, and nothing sent out which we do not believe to be good in every respect.

**OUR PRICES.**—Our constant aim is to make the *highest quality* the first consideration, and next to put our prices as low as good reliable seeds can be sold.

**DISCOUNTS.**—ON ALL ORDERS FOR SEEDS IN PACKETS the purchaser may select *twenty-five cents* worth extra for each *one dollar* sent us. This refers only to seeds in packets, not in bulk. For other discounts see heading of the respective classes of goods. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

**SMALL ORDERS.**—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, must amount to at least fifty cents.

**NEWSPAPERS.**—Your choice of a year's subscription to either the *Western Garden*, *Rural Northwest*, *Farm Journal* (Phila.) or *American Corn Journal* to anyone ordering seeds to the amount of \$1.00 or more and asking for it in place of other premium.

**WE ARE ALWAYS PLEASED TO RECEIVE SAMPLES OF ANY NEW, RARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL.**

**WHAT WE GUARANTEE.**—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. **KEEP A COPY** of your order. Sometimes persons think that they have ordered articles which they have omitted, and blame us for not sending them.

**NOTICE.**—The importance of GOOD SEEDS cannot be overestimated, and we are certain that after a trial all our customers will agree that our seeds are the purest and best to be had. Still, when it is considered how many are the contingencies on which the success of any crop depends, our customers will readily see that it would be sheer folly for any one to warrant them to produce a perfect crop, and we want it distinctly understood that while we exercise the greatest care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for *vegetable* or *flower* seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world who guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

**OUR RESPONSIBILITY.**—As this book will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to the same we refer you by permission to the Valley National Bank of this city, to the postmaster, or to any of the various express companies.

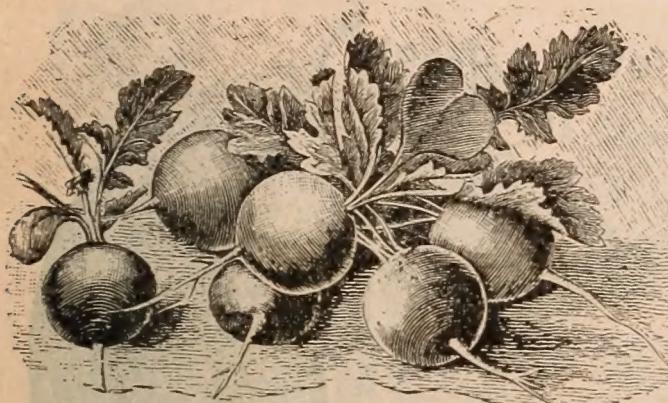
**MARKET GARDENERS** and others who buy VEGETABLE SEEDS in BULK to the amount of \$5.00 or more, are requested to send for our Market Gardeners' Price List. This list for market gardeners is intended only for large buyers, and is exclusively for those who order vegetable seeds alone by weight or measure amounting to \$5.00 or over. Club orders which call for this amount of bulk seeds altogether are entitled to these prices.

# Novelties and Specialties for 1896.

"WHAT have you that is especially new and desirable this year?" is the first question asked us by many of our patrons. In the following pages on pink paper we give special prominence to some of our most important novelties and specialties for this year. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these many desirable novelties will be found listed in various parts of the catalogue as well as the standard sorts which everyone wants for stand-bys.

## NOVELTIES ON COVER OF CATALOGUE.

The following seven excellent varieties will be found illustrated in colors on the back cover of this catalogue. We want every one to try them this year and therefore offer one packet of each for only TWENTY-FIVE CENTS.



NEW ROSE TURNIP RADISH.

### NEW ROSE TURNIP RADISH.

There is a greater variety of color in radishes than in any other root crop grown, but a rose-colored variety is, indeed, an acquisition. This is one of the best radishes we have ever seen, and is novel, eminently useful and beautiful. It is similar to the round, forcing varieties in shape and size, and has every feature of good selection, such as a small, compact top and a miniature root. It is very early, requiring only twenty-three days to mature it, and remains in good condition for ten days, even in a trying season. But, undoubtedly, its chief charm is in its color, which is a soft, rosy pink. A most attractive radish in the bunch, and its appearance is incomparable when prepared for the table. Per pkt. 10c, oz. 20c,

### WASHINGTON WAKEFIELD CABBAGE.

Last year we furnished seed of this grand new variety to fully ten thousand (10,000) gardeners in almost every state in the Union, and everywhere it has given the best of satisfaction, and is admitted to be the best early cabbage now on the market. See description on page 25. Per pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.25.

### MARKET GARDENERS' BEET.

Without question the best beet for family gardens, both for early and main crop. Description and illustration will be found on page 22. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.



EARLY SUNRISE SWEET CORN.

### WONDERFUL SUGAR WATERMELON.

When making a tour among our seed growers during the past summer, we were greatly pleased with this variety, which we found growing in Nebraska. The gentleman on whose place they were growing is an enthusiast on melons, and after testing quite a number of varieties, all persons present united in pronouncing the Wonderful Sugar by far the best. It is a large melon, averaging about 35 pounds each. They are long, rather light-colored, mottled, and irregularly striped with dark green; rind rather thin but tough. Flesh a delicate red, and the most tender, juicy and luscious that can be imagined. Everyone who has a place to grow melons should try this splendid new variety. Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

### EARLY SUNRISE SWEET CORN.

This splendid new variety which we introduced originated with a market gardener in the western part of the state, and for eight years he has been carefully selecting it to an ideal size and shape, and also the earliest maturing. In this way he has finally obtained this variety, which is distinct from all others. The ears are about six inches long and well filled out at the end, the husk covering so completely and being so tight as to prevent the work of worms, which are so bad on the Cory. The grains are fairly deep and are set in straight rows on small white cobs; very uniform and handsome. It is quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find the Early Sunrise a most profitable and satisfactory variety. For price on large lots see page 47. Per pkt. 5c, pt. 15c, qt. 50c, postpaid.

### NEW MIGNONETTE LETTUCE.

A most unique and attractive new sort. The entire plant measures only seven inches in diameter, and is more solid and compact than any other existing variety. The outer leaves are few, and these cling so closely to the head that it is almost true to say it is all head. The small surface of the leaves which are separated from the head is deeply crumpled as in a Savoy cabbage, and richly colored with russet red and bronze green of varying shades. The cut shown in plate exhibits very truly the character of the plant, which is distinct, not only in its solidity, but also in color. The heart is a charming combination of creamy yellow waved with pale greenish white. It is very hardy, resisting drouth and excessive moisture with equal success—a most valuable feature in our climate. It is fit for use early, which, combined with its long standing character, constitutes it an all-seasons variety in the superlative degree. Per pkt. 5c,



NEW IDEAL MAMMOTH RHUBARB.

**IOWA MASTODON MELON.**

The most extraordinary new variety which has been offered for many years, will create a sensation wherever seen—and we control the entire stock, so that you cannot purchase it elsewhere this year. It is from Japan, and just a few seeds were sent to a friend over in this country. This friend knew of our interest in novelties and brought in specimens of the melon. One weighed 23½ pounds and the other 25 pounds. We at once secured the entire crop, although but a few vines. The melons are of monstrous size, and greatly resemble the common Yankee Field pumpkin; so nearly in fact, as to even deceive us at first sight. The flesh is a clear, creamy white, fully 3½ inches thick and of excellent flavor; it is tender and sweet up to the rind, which is thin and tough. In packets only of 25 seeds in each. Per pkt. 10c, 3 pkts. 25c, 7 for 50c, 16 for \$1.00,

**LEMON BLUSH TOMATO.**

It was with little confidence that we gave this variety a place in our trial grounds, but we admit that we were greatly and agreeably surprised, and our farm superintendent pronounces it the nearest approach to a perfect tomato that has been produced up to this time. The skin and flesh are a bright lemon yellow, with a faint rose blush or light crimson tint diffused over part of the surface opposite the stem. The plant is a vigorous grower, ripening its fruit abundantly in mid-season. It may never become a popular market sort, but anyone desiring a choice table variety for home consumption should not fail to have it. Per pkt. 10c, oz. 50c.

**ZIGZAG EVERGREEN SWEET CORN.**

NEW ZIGZAG EVERGREEN SWEET CORN.

The illustration (taken from a photograph of a dried ear) gives a good idea of the character of this corn, which all unite in pronouncing the grandest and most distinct late corn ever sent out. Stowell's Evergreen has heretofore been the standard and favorite variety, but it must now take second place, as the Zigzag excels it in all important points. It is sweeter. It is much more productive (yielding two to four ears to the stalk), and it remains fit for use longer than the Stowell's or any other variety. The Michigan Agricultural Experiment station writes: "Ears of good size and well filled out. It reaches maturity with the Stowell's Evergreen and continues to furnish edible corn longer than any corn we have ever tested. Its season this year extended over a period of three weeks, when it was cut by frost. At that time it looked as green and vigorous as ever." Private planters and market gardeners who try this corn will use no other late variety. For canning it is unequalled. Per pkt. 5c, ½ pt. 15c, qt. 50c.

**NEW ICEBERG LETTUCE.**

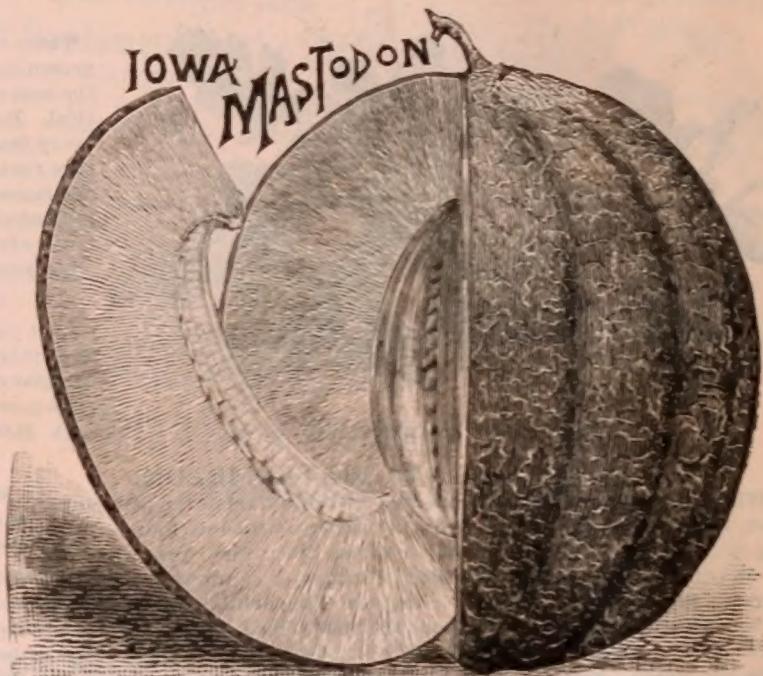
There is no handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. The large, curly leaves which cover the outside of the solid heads are of a bright, light green, with a very slight reddish tinge at the edges; they have small indentations which are constantly filled with dewdrops. They are thus kept fresh, and show a remarkable crystalline appearance, which well warrants the name of Iceberg. The unusual solidity of the heads is insured by the large, white main ribs of leaves, each of which, curving strongly towards the center, acts like a truss, making it impossible for the leaves to open outward and expose the center which is consequently thoroughly blanched. Whether in early spring or the hottest days in summer, the quality is simply perfect. Surpassingly fine for the home garden and equally valuable for market. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

**NEW IDEAL MAMMOTH RHUBARB (Novelty 1896).**

The rhubarb (or pieplant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About twenty-five years ago Dr. Kemecott, of Illinois, in growing roots from seed found one which was so far superior to and different from all others that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved sorts it seeds very sparingly, and comes more nearly true to name when grown from seed than most other sorts. The stalks are fully as large, if not larger, than the Victoria, and are produced in greater abundance. We have no hesitancy in calling it the most vigorous and productive variety known. Quality is unsurpassed. Per pkt. 10c, 3 pkts. for 25c.

**AMERICAN MAMMOTH BRUSSELS SPROUTS.**

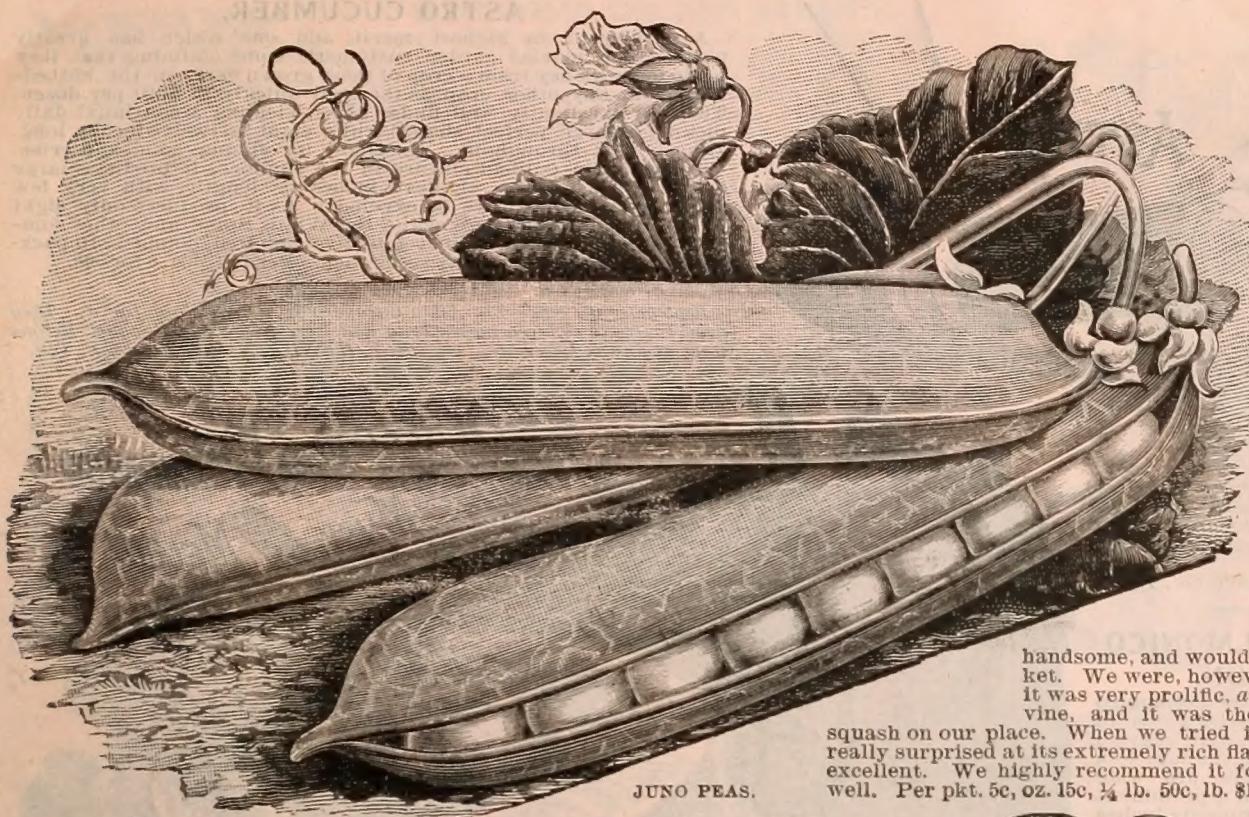
This rich but long neglected vegetable is becoming more and more popular. We are able to offer to our customers this season seed of a new and greatly superior variety, of American-grown seed which has the great merit of forming heads ready for picking about three weeks earlier than other varieties which are raised from imported stocks. It has the additional merit of making stronger plants and making more heads. A friend picked this year from a single plant more than two quarts of heads. A profitable crop for market gardeners. One gardener near New York City last year made \$500.00 on a crop of two acres of this improved variety. We want everyone to try them this year. Per pkt. 10c, oz. 40c, ¼ lb. \$1.25.

**IMPROVED DANISH BALL-HEAD CABBAGE.**

This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other ports. It will stand long journeys and keep far into the spring, and is of most rich and mild taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardest of all; tender and crisp with but little waste heart. Flavor unexcelled. Per pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.75.



NEW ICEBERG LETTUCE.



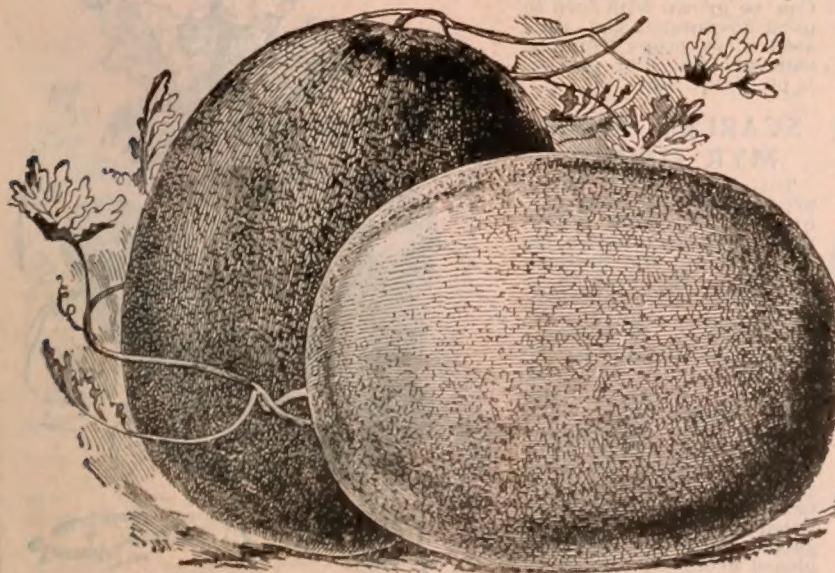
JUNO PEAS.

**ORANGE WATERMELON.**

Everyone knows what a bother watermelon rinds are on the table, and were it not for this trouble, the watermelon would be still more popular as a dessert fruit. This difficulty is now overcome, and the Orange will make the handsomest ornament ever set on the festive board, and will attract universal attention. The great peculiarity of this melon is that the rind naturally separates from the flesh when ripe, and with a slight use of a knife between the segments, can be removed like the rind of an orange, leaving a most beautiful fruit for the center of the table. The illustration shown herewith was made from an average size, twelve-pound melon and well shows the shape and peculiar manner of separating. Quality is excellent, tender, juicy and sweet. We want everyone to try it, and have therefore made prices low. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**SWEET HEART WATERMELON.**

An entirely distinct and new watermelon which is early, large, handsome, heavy, good shipper, long keeper, bright color, and of the best quality. Car-loads of Sweet Hearts were sold at fancy prices in the market when no other sorts were salable. Its vines are vigorous and productive, ripening its fruit early. The fruit is large, oval, very heavy, uniformly mottled light and dark green. Rind thin but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. This variety originated as a sport in the field of a prominent melon grower and he has grown it several years and received fancy prices for his melons. It is sure to become one of the most popular sorts in cultivation. No melon grower should be without it. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



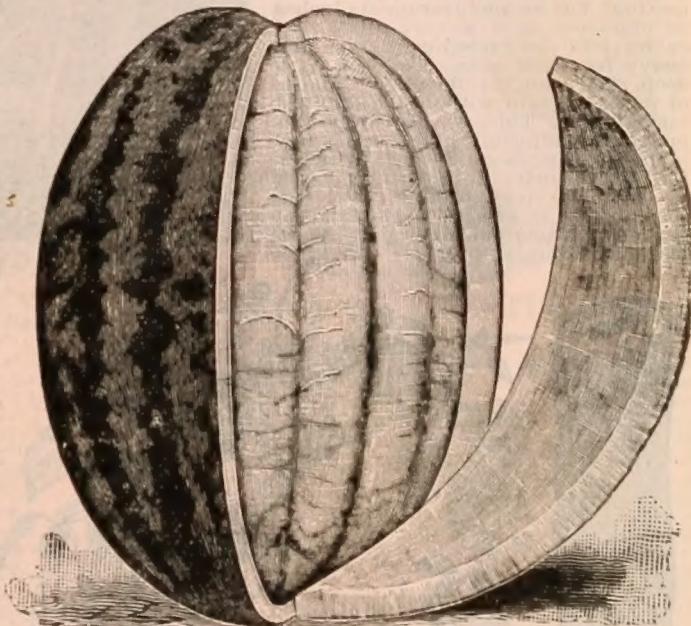
SWEET HEART WATERMELON.

**JUNO PEAS.**

We have no hesitation in saying that it is by far the best wrinkled pea of its class to-day. It has very robust vines, stout, straight pods, and usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, and its season from medium early to main crop. Destined to become a standard variety. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**DELICATA SQUASH.**

When we first saw this new variety we were not at all pleased with its appearance, as it is anything but handsome, and would not sell well in the market. We were, however, obliged to admit that it was very prolific, averaging 14 fruits to the vine, and it was the earliest of any vining squash on our place. When we tried it on the table we were really surprised at its extremely rich flavor, fine quality, dry and excellent. We highly recommend it for private use. It keeps well. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



ORANGE WATERMELON.

**GRAND RAPIDS MUSK MELON.**

One week earlier than any other variety. The main characteristic of this melon is its extreme earliness. Grand Rapids is well known on account of its progressive market gardeners, and in that wide awake city the Grand Rapids melon has been on the market two weeks earlier than any other sort, and sold readily at \$2.50 per dozen to hotels and fancy grocers, while melons grown in the south were practically unsalable. There is no question that it is bound to supersede the Extra Early Hackensack, as it is at least two weeks earlier. The flesh is pure yellow, clear to the rind; skin finely netted. The handsome appearance of this melon is sure to attract attention. To attain the best results, and to show its remarkable earliness and prolificness, we would advise our customers to pinch off the runners; while it has no tendency to run more than other varieties, at the same time by throwing the growth into fruit, it makes the fruit of larger size and earlier. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**BERGEN FLEETWING PEAS.**

We are glad to introduce this grand new variety to our customers. It is one of the earliest in existence. Matures about the same time as Alaska, is of the same height and stands up better. It is very prolific, even in ripening, about ninety per cent can be taken at the first picking. Pods of good size, containing seven to nine peas each. A good sort for market gardeners. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.



*The seeds I bought of you were first class and have done well in Texas. As to the Astro Cucumber, it was a wonder to everyone who saw it. I raised several that were extremely long.*

T. P. RICHERSON, Hall Co., Tex.

### ASTRO CUCUMBER.

A novelty of the highest merit, and one which has greatly pleased our market garden customers, some claiming that they made more money from a crop of these grown early in the hotbeds than from any other crop, as they sell quickly at \$1.00 per dozen. They do excellently well under glass, yielding a continual daily picking of large, perfect shaped fruits, eight to twelve inches long, almost solid throughout. Excellent for slicing, solid and crisp. With common outdoor culture in the summer, it produces large cucumbers fifteen to eighteen inches in length with very few seeds. Seed will always be expensive, as it produces only eight to twelve pounds per acre, while the White Spine and other common sorts produce two hundred to five hundred pounds. In packets only, containing twenty seeds each. Per pkt. 10c, 6 for 50c.

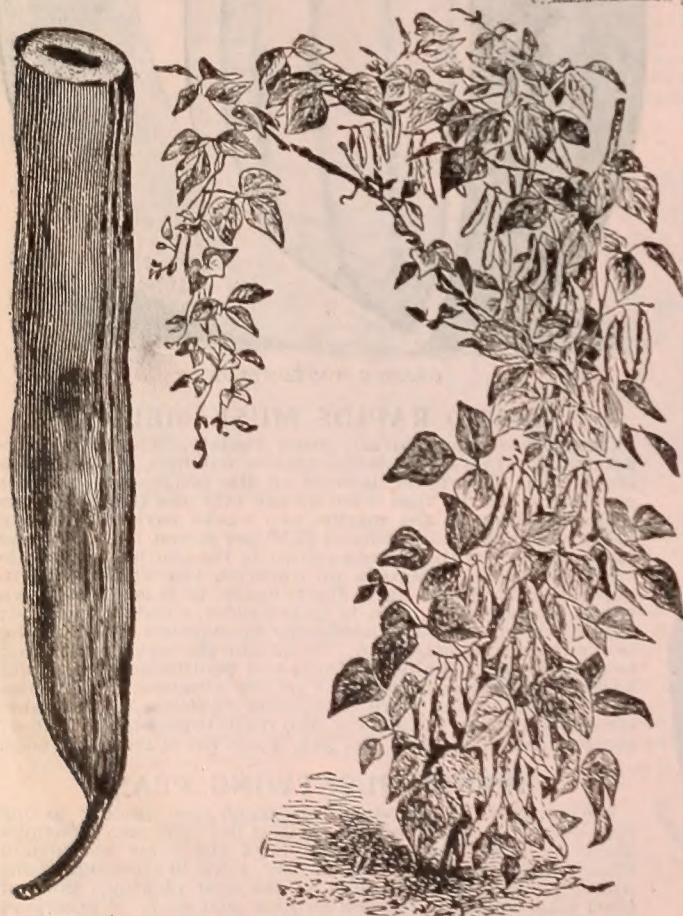
*September 19, 1895.—The Astro Cucumber is all you claim for it. They grew twelve to eighteen inches long and were fine. The Banquet Melons were as fine as I ever ate.*

R. V. HENDRIX, Limestone Co., Tex.



### PERFECTED DELMONICO MUSK MELON.

This improved type of the Delmonico melon is almost a perfect globe in shape; the skin is a peculiar grayish green until ripe, when it changes to a bright yellow. The ribs are wide and covered thickly with a prominent netting. The melons average six inches in diameter, have a very small seed cavity, and are exceedingly thick and heavy for their size. The flesh is a deep, rich, orange yellow color, and is of very fine grain, without the slightest stringiness. This variety produces melons of uniformly high quality and is likely to displace all other red or yellow fleshed sorts. It is a strong, hardy grower and very prolific. We can recommend it either to the market gardener or amateur. Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



OLD HOMESTEAD BEANS.

### OLD HOMESTEAD POLE BEANS.

This is an improvement on the Kentucky Wonder, and we regard it as far ahead of any other green podded pole variety, and the best as well as earliest sort, being fit for the table August 1st. It is enormously productive, the pods hanging in great clusters from top to bottom of the pole. It is entirely stringless, and the pods are a silvery green color. The pods, though large, cook tender and melting, and we can recommend it as the best green pole bean. Pods are often to twelve inches in length, and instead of picking them into a basket, it is customary to pile them up on one arm like kindling wood when gathering a mess for family use. The dry beans are long, oval, uncolored, and of fair quality as a shelled bean. Can be grown with corn to good advantage, and thus secure two crops from the same ground. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

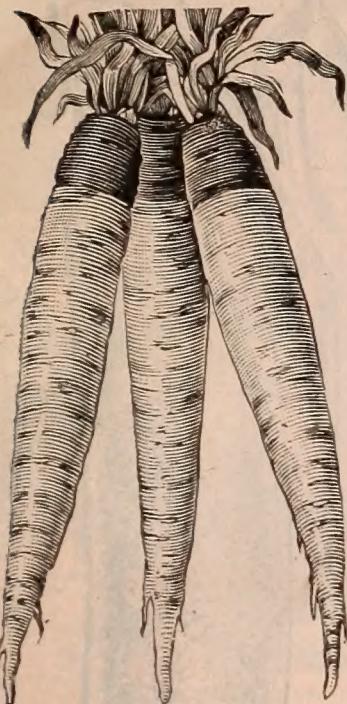
### SCARLET KASH-MYR TURNIP.

This new, extra early, bright scarlet colored turnip has a striking resemblance to a large radish, being as round and uniform in shape. The flesh is as white and crisp as a radish, and of most excellent cooking qualities. It matures almost as quickly as the earliest radishes, being far ahead in this respect of any other turnip, and when cooked is of unsurpassed quality. Also a good keeper, and with its beautiful scarlet color, early maturity and fine quality, it is entitled to a place among our garden favorites, and will please everyone who gives it a trial. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



SCARLET KASHMYR TURNIPS.

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VILMOS S. BROWN



WISCONSIN GOLDEN SALSIFY.

**WISCONSIN GOLDEN SALSIFY.**

A most distinct and valuable new sort which was sent to us by a customer in Wisconsin in 1892, and has proved highly satisfactory in our tests of the past three years so that we are now confident that it will suit our customers in every respect. It is of strong, vigorous growth; the leaves are dark green in color, finely crimped and curled. The roots are large, smooth, and have a decided yellow cast, which gives it its name. They cut smooth and even throughout, unusually brittle and never stringy. When prepared for the table they are very rich and tender, really delicious in flavor. Per pkt. 15c, 2 pkts. for 25c.

**DWARF ARISTOCRAT TOMATO.**

This new dwarf variety resembles very much the Dwarf Champion in every respect except in color of the fruit, which with the Aristocrat is a beautiful rich glossy red, so much admired in some markets and preferred to the flesh or rose-colored sorts. In size, productiveness, smoothness, flavor, etc. it is fully up to our usual standard of perfection. It is especially desirable for greenhouse or forcing under glass, and for first crop outside. It requires little space, as it has been grown successfully when planted 3x3 feet apart. This feature makes it very desirable for the small family garden where every foot of ground is to be utilized. Its beautiful glossy fruit is very attractive. Per pkt. 5c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

**EXTRA CURLY MOSBACH KALE.**

This is the most beautiful variety of kale grown. The leaves are so finely crimped and curled, and of such a nice light green color that it answers admirably for garnishing. We also strongly recommend this as a most showy and attractive market variety, as well as being of excellent quality when cooked for the table. Market gardeners and truckers should by all means sow largely of this new variety, as we feel confident that it will prove one of the most popular and salable sorts wherever introduced. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



EXTRA CURLY MOSBACH KALE.

**PEARL WHITE EGG PLANT.**

The fruit is pure, creamy white, with slight shading of a very light green near the stem; beautiful in shape, resembling somewhat the purple variety, as large or larger in size, and more prolific. In eating quality it is superior, being more delicate, very fine grain and well flavored. It makes one of the most palatable dishes, either baked or fried. There is not a garden in the land which would not be improved by this vegetable being represented in its collection, and if once tried, it is sure to establish itself as a favorite. Per pkt. 10c, oz. 40c.

*October 5, 1895.—The Pearl White Egg Plant is as large as the Purple; they are pure white and better fruit to eat than the Purple. Our home market demands them.*

M. H. SMITH & SON, Market Gardeners,  
Muscatine, Iowa.

*The Mastodon Melon is a splendid variety, sweet, white, juicy and very fine flavored.*

MRS. ANNA GREGORY, Reno Co., Kan.



PEARL WHITE EGG PLANT.

shell of a Hubbard, the more delicate and

**MAMMOTH HORTICULTURAL POLE BEANS.**

A very great improvement on the old Horticultural Pole. The beans are of enormous size, splashed and spotted with red, and of the highest quality as a shell bean either green or dry. It originated at Worcester, Mass., where it has been grown for several years by one of the leading market gardeners there, and he has always been able to command from twenty-five to fifty cents per bushel more than others for their beans, as his were always of such bright carmine color, and would keep longer than other varieties after being picked. The vine is a very vigorous grower, with large, light colored leaves and purple blossoms. Pods very large, bright carmine, slightly streaked, very handsome and exceedingly productive. It is somewhat earlier than the parent variety, shows no rust, and is considered by some eastern gardeners the best pole bean in the world. Pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 70c.

**LEONARD'S WARTY HUBBARD SQUASH.**

This new strain of the Hubbard is a continued improvement upon our selected strain. The wartiness indicates a very hard shell, which is one of the best features of a long keeping squash; it also denotes extra choice quality—the harder and more warty the sweet the flesh. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



VICTORIA SPINACH

**NEW VICTORIA SPINACH.**

This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary Longstanding. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to stand the winter in this locality. It outyields every other variety, and stands longer before going to seed than other sorts. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**NABOB WATERMELON.**

We were so much pleased with our tests of this fine new variety the past season that we want to share the enjoyment of it with our customers. It is decidedly distinct and attractive, having a peculiarly mottled color of shell. Flesh deepest scarlet, firm and solid, but melting, juicy, and of luscious flavor. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



A NABOB CONSUMER.



Season of 1896....

{ ESTABLISHED 1871.  
{ INCORPORATED 1889.

## Jobbing Price List

—OF—

# Choice Iowa Seeds.

FOR DEALERS ONLY.

WE INVITE orders from dealers in seeds who desire to supply their customers with seeds of the highest quality. We have no cheap stock to offer, being fully convinced that it does not pay to handle anything but the best and our **Choice Iowa Seeds**, grown in this, the garden spot of the United States, are attaining a national reputation. We are seed growers and grow thousands of pounds of seeds annually for eastern seedsmen, and for Europe. The prices in this list are subject to any important changes of market during season.

**PRICES.**—While our prices are very low when quality is considered, still, if you want a full assortment or a large quantity of any sort, please send list and we will make special prices if possible.

**TERMS.**—On vegetable seeds are sixty days or three per cent discount for cash in ten days. On tools and implements, thirty days, two per cent discount for cash in ten days. On clover, grass and field seeds, potatoes and onion sets, *spot cash*, subject to demand draft if not paid on receipt of goods. Cash or satisfactory references required from new correspondents.

**COMMISSION.**—We send out no seeds to be sold on commission. Good seeds have a standard value, and are as saleable as sugar and coffee, and all sales are outright, the seeds not being subject to return at close of season.

**WARRANTING.**—During our experience of over a quarter of a century in the seed business we have never warranted our seeds, and we know of no responsible firm who does; and, while we exercise the greatest care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. No officer, agent or employee of this company is authorized to make any warranty whatsoever. Orders are accepted only on this understanding. Our **Choice Iowa Seeds** have a national reputation for high quality and we are sure they will please all who try them.

**SEEDS IN PACKETS.** Fifty per cent discount from catalogue prices. The five-cent packets in quantity at \$2.00 per 100.

**IOWA SEED COMPANY,**  
**DES MOINES, IOWA.**

**THE LARGEST AND OLDEST SEED FIRM IN IOWA.**

**ARTICHOKE.**

	LB.	
French Green Globe.....	\$ 3 00	

**ASPARAGUS.**

Conover's Colossal.....	15	LB.
Hub. or Barr's Mammoth.....	20	3 2 25
Palmetto. Very Large and Early	25	2 75
Columbian White Mammoth.....	80	

**DWARF BEANS.**

Improved Early Valentine.....	BU.	
Early McLaw's. Very early.....	1 20	
Early Refugee of 1890. Old One	1 25	
Dwarf Horticultural.....	2 50	
Blue Podded Butter. In packets	4 75	
only.		
Large White Marrow.....	2 50	
Improved Counter Wax.....	4 00	
Black Wax. Popular.....	4 25	
White Wax.....	4 75	
Stringless Green. Pod.....	5 00	
Currie's Rust Proof Wax.....	4 25	
Warrivell's Kidney Wax.....	4 50	
Yosemite Marrow. Wax.....	4 75	
Henderson's Bush Lima.....	5 00	
Bartee's Bush Lima.....	5 25	
Dreer's Bush Lima.....	5 50	
Jackson Wonder Lima.....	5 75	
Cat Branch or Profit Tree.....	6 25	

**POLE BEANS.**

Mammoth Horticultural.....	BU.	
Old Homestead.....	1 00	
Lazy Wife's.....	1 00	
Large White Lima.....	1 25	
White Dutch Case Lima.....	1 50	
King of the Garden Lima.....	1 75	
Cat Shorts.....	2 00	
Scarlet Runners.....	2 25	
Yard Long. In packets only.	2 50	

**BEETS.**

I. S. Co.'s New Market Gardeners'.....	LB.	
Grosvenor's Purple. 4 Pounds.....	40	OZ.
Egyptian Dark Red Turnip.....	45	2 2
Extra Early Eclipse.....	33	1 5
Bastard's Extra Early.....	33	50
Dewling's Improved Blood Turnip.....	33	
Extra Long Dark Turnip.....	33	
Swiss Chard.....	28	
Villebonne's Superior.....	28	
Diamond's Superior.....	28	
Lane's Imperial Superior.....	28	

**MANGOLD BEETS.**

Dignity.....	LB.	
Mammoth Long Red.....	18	
Rosette.....	15	
Challapech Yellow Globe.....	25	
Golden Tankard.....	20	
Mammoth Golden Giant.....	20	

**BROCCOLI.**

	LB.	
Early Purple Cape.....	3 2 25	
Early Large White.....	2 75	

**BRUSSELS SPROUTS.**

Imported.....	BU.	
American Mammoth.....	8 40	

**CABBAGE.**

This is a specialty with us and we		
claim that our seed is the best in		
the country. That's why we sell it.		
Early Large Express.....	BU.	
Very Early Express.....	BU.	
Early Early York.....	BU.	
New Washington Wakefield. De-	2 50	
signed to be the largest and sweetest		
turnip and most attractive. Wake-		
field is a variety of turnip.		
Early Jersey Wakefield. The ear-	4 00	
liest strain. Sweet.....	4 25	
Winter Gem.....	4 25	
Red Cabbage All Red. Early.....	4 50	
Pinkler's Improved All Red. Sweet	4 75	
Hercules' Improved Sweet.....	5 00	
Turnip.....	5 25	
Vandergaw.....	5 50	
Savoy.....	5 75	
Improved Turnip.....	6 00	
Improved Danish Ballhead.....	6 25	
Early Spring. Improved Sweet.....	6 50	
Early Savoy. Improved Sweet.....	6 75	
All Seasons.....	7 00	
Pratt's Improved.....	7 25	
Stokes' Improved.....	7 50	
May Queen. MAID.....	7 75	
Pinkler's Improved Savoy.....	8 00	
Fine Red Pickling.....	8 25	
Mammoth Red Rock.....	8 50	

**CAULIFLOWER.**

Heirloom's Early Sprouting.....	BU.	OZ.
Early Dwarf Sprouting.....	BU.	
Early Paris.....	BU.	50

**CARROT.**

Early Purple. Early.......	BU.	
Early Scarlet Globe.....	BU.	
Dark Eyes. Sweet.....	BU.	
Home King. Early.......	BU.	
Chantenay.....	BU.	50
Victoria.....	BU.	50
Improved Long Orange.....	BU.	35
Large White. Improved.....	BU.	40
Large White Vosges.....	BU.	40
Mastodon.....	BU.	50

**CELERY.**

	LB.
New Pink Aromatic.....	\$ 2 25
White Plume. Very popular.....	1 50
Golden Self-Blanching.....	2 60
Henderson's Half Dwarf.....	75
Boston Market.....	85
Giant Pascal.....	1 00
Golden Dwarf.....	85
Kalamazoo.....	1 00
Dwarf Crimson.....	1 25
Turnip Rooted, or Celeriac.....	1 00
Celery seed for flavoring.....	30

**CHERVIL.**

Curled.....	1 25
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**CHICORY.**

Large Rooted.....	
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**CHUFAS.**

Or Earth Almond.....	
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**COLLARDS.**

Georgia.....	
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**CORN SALAD.**

Or Fetticus.....	
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**CORN-Pop.**

(Bu. 56 lbs.)

Page's New Striped Rice.....	
Mapledale Prolific.....	
Queen's Golden.....	
Monarch White Rice.....	

**CORN-Sweet.**

Extra Early Cory.....	
Early Sunrise.....	
New Champion Early.....	
Early Minnesota.....	
Crosby's Early. Medium early.....	
Perry's Hybrid.....	
Shoe Peg.....	
Improved Ruby.....	
Zigzag Evergreen.....	
Egyptian Sweet.....	
Stowell's Evergreen.....	
Country Gentleman.....	
Acme Evergreen.....	
Mammoth Sugar.....	
Black Mexican.....	
Evergreen Podder.....	

**CRESS, OR PEPPERGRASS.**

LB.	
40	Extra Curled.....
2 50	True Water.....
	Upland Cress. In packets only.

**CUCUMBER.**

I. S. Co.'s Perfect White Spine. The best of all either for pickling or slicing. (100 lbs. \$25.00) .....	
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**CUCUMBER—Continued.**

	LB.
Westerfield's Improved Chicago.....	
Pickle.....	30
Early Cluster.....	30
Early Frame, or Short Green.....	30
New Astro. In packets only.	
Green Prolific.....	35
Nichol's Medium Green.....	40
Japanese Climbing.....	1 25
Boston, or Jersey Pickling.....	40
Improved Long Green.....	40
White Pearl.....	75
West India Gherkin, or Burr.....	75
Snake, In packets only.	

**EGG PLANT.**

Early Long Purple.....	1 75
Improved New York (thornless).....	3 00
Pearl White.....	3 50

**ENDIVE.**

Extra Curled.....	1 75
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50	NEW GARDEN LEMON.
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75	New Garden Lemon.....	60
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**GOURDS.**

BU.	Luna, or Dish Cloth.....	2 75
	Sugar Trough.....	1 00
4 00	Japanese Nest Egg (pure).....	1 00
3 75	Dipper.....	75
4 00	Mixed Utility Gourds.....	1 50
2 75		

**GROUND CHERRY.**

1 75	Improved Ground Cherry.....	2 50
	Purple Husk.....	3 00

**HERBS.**

3 00	Sage.....	1 25
1 50	Other varieties at catalogue prices	

**KALE.**

1 60	Mosbach.....	1 00
1 85	Dwarf German Green.....	75
2 00	Tall Curled Scotch.....	75

**KOHL RABI.**

2 50	Early Purple Vienna.....	1 85
2 00	Early White Vienna.....	1 25

**LEEK.**

2 25	London Flag.....	1 00
	Large Routen.....	1 25

**LETTUCE.**

LB.		
40	Early Curled Simpson.....	49
2 50	Black Seeded Simpson.....	50
	Improved Hanson.....	60
	Prize Head.....	60
	Green Fringed.....	60
	Salamander.....	60
30	Oak Leaved.....	80

## LETTUCE—Continued.

Tombannock.....	\$ .80
Denver Market.....	.45
Mignonette. In packets only.	
Grand Rapids.....	.60
Iceberg.....	1.00
California Cream Butter.....	1.25
Mixed varieties.....	.75

## MARTYNIA.

Martynia.....	2.50
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## MUSTARD.

White English or Lourton.....	.20
New Chinese Garden.....	1.00
Southern Giant Curly.....	.40

## MUSK MELON.

Extra Early Grand Rapids.....	
Perfecto. D'Estimo.....	
I. S. Co.'s Imp. Green Nutmeg.....	
Osage.....	
Banquet.....	
New Winter Pineapple.....	
Iowa Mastodon. Largest of all.....	2.00
Improved Early Heisenberg.....	
Improved Chardonnay.....	
Champion Market.....	
Perfection.....	
Bay View.....	
Emerald Gem.....	
Princess.....	
Banana.....	
Montreal Market.....	
Shumway's Giant.....	
ORNAMENTAL POMEGRANATE.	

## WATERMELON.

Vick's Early.....	
Freshlook Flat.....	
Peerless, or Ice Cream.....	
Cole's Flat.....	
Pharney's Flatly.....	
Sweet Flat.....	
Wellford's Sugar.....	
Nate's.....	
Duke Jones.....	
DIXIE.....	
Pineapple Melon.....	
Ice King.....	
Kohls Gem.....	
Fancy Kohl's Gem.....	
Gypsy, or Georgia Rattlesnake.....	
True, Dark Icing.....	
Oemler's Triumph.....	
Johnson's Christmas.....	
Burpee's White Gem.....	
Cuban Queen.....	
Green and Gold.....	
Mountain Sweet.....	
Orange.....	
Colorado Preserving.....	
Red Seeded Citron.....	

## NASTURTIUM.

Tall (mixed colors).....	1.00
Dwarf (mixed colors).....	1.25

## OKRA.

White Velvet.....	.45
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## ONION.

Extra Early Barretta.....	.40
Extra Early Pearl.....	2.00
Extra Early Red.....	1.00
Large Red Wetherston.....	1.00
Early Red Wetherston.....	1.10
Yellow Wetherston Dauphine.....	.75
Long Keeper Red Globe.....	.30
White Portuguese.....	1.75
Large White Globe.....	.75
Small Pearl Red, (all sizes).....	.40
Marie's or Sister King.....	1.80
McDonald's Princeton.....	1.75
Copper King.....	1.30
Giant Vesuvius.....	1.65
Paris White Pickling.....	1.25

## PARSLEY.

Market Champion.....	1.25
Champion M. ss Champion.....	.30
Fresh Leaf.....	.90

## PARSNIPS.

Living Sugar or Hollow Crown.....	.20
I. S. Co.'s Imp. T. & G. Guernsey.....	.75

## PEAS.

(Wrinkled varieties marked \*)

BU.	
Bergen First Crop.....	4.25
Reed's Early Prize.....	4.25
*The Standard.....	6.50
Champion's All Rounder.....	4.00
President's Crop.....	4.00
President's Crop.....	4.00
President's Crop.....	4.00
Hills' All Rounder, W. L. 101.....	5.00
Royal New York.....	7.75
President's All Rounder.....	4.25
*Spartacus. Best Late Sort.....	7.50
100.....	7.25
100.....	7.75
100.....	4.00
*Yorkshire Hero.....	5.00
*President's Crop.....	5.00
*N. Y. Early Crop.....	8.00
President's White Marrowfat.....	2.50
*Champion of England.....	9.15
White Marrowfat.....	2.00
Black Eyed Marrowfat.....	2.00
Mammoth Luscious Sugar.....	7.00
Dwarf Sugar. Edible pods.....	4.75

## PEANUTS.

LB.	
Red Cross.....	10

**PEPPER.**

	LB.
Large Bell, or Bull Nose	1 50
Sweet Mountain, or Mammoth	1 50
Red Cayenne	2 00
Ruby King	1 50
Coral Gem Bouquet	2 50
Red Chili	1 65
Mammoth Golden Queen	2 00
Red Cluster	1 50
Celestial	1 50

**PUMPKIN.**

Connecticut Field	.
Large Cheese (sweet)	.
Calboun	.
Yankee Pie, or Small Sugar	.
King of Mammoths	.
Mammoth Tours	.
Mammoth Etampes	.
Japanese Pie	.
Tennessee Sweet Potato	.
White Cushaw	.
Mammoth Chili (squash)	.

**RADISH.**

Vick's Early Scarlet Globe	.
Model White Box	.
Rosy Gem	.
Early Scarlet Turnip	.
New Golden Dresden	.
Rose Turnip (crop short)	.
Wood's Early Frame	.
French Breakfast	.
Early Long Scarlet. Short top	.
Improved Charlier	.
Non Plus Ultra. Fine quality	.
White Lady Finger	.
Golden Globe Summer	.
I. S. Co.'s Perpetual White Summer	.
Giant White Stuttgart	.
White Strasburg	.
All Seasons	.
China Rose (winter)	.
Long Black Spanish (winter)	.
California Mammoth White (winter)	.
Mixed varieties	.

**RHUBARB.**

Ideal Mammoth. In packets only	.
Victoria, or Mammoth	.

**SPINACH.**

New Victoria	.
Long Standing	.
Round	.
Pickley, or Winter	.
Viroflay, or Savoy Leaved	.
Chinese Red	.
New Zealand	.

**SALSIFY.**

	LB.
Mammoth Sandwich Island	1 00
Wisconsin Golden. In packets only.	.

**SQUASH.**

Golden Bush	30
White Bush Scalloped	30
Early Bush Crookneck	30
Early Prolific Marrow	35
Fordhook	40
Boston Marrow	50
Delicata	1 25
Leonard's Warty Hubbard	60
Faxon	50
Hubbard	35
American Turban	45
Marblehead	40
White Chestnut	50
Sibley, or Pike's Peak	25
Mammoth Chili	65
Vegetable Marrow	50
Essex Hybrid	50
Mexican Banana	60

**TOBACCO.**

Connecticut Seed Leaf	1 50
Mammoth Muscatelle	2 00
Hester	2 00
Sterling	1 75
Big Havana	1 75

**TOMATO.**

Atlantic Prize	1 50
Bond's Early Minnesota	2 00
Crimson Cushion. In pkts. only	.
Picture Rock	2 25
Matchless. The standard for main crop	1 50
Ponderosa	2 25
Ignotum. One of the best	1 75
Dwarf Champion	1 50
Dwarf Aristocrat	2 20
Lemon Blush	4 00
Cardinal	1 75
New Peach	2 25
Optimus	1 75
Favorite	1 35
Perfection	1 30
Aeme	1 40
Turner's Hybrid, or Mikado	1 75
Livingston's Beauty	1 50
Trophy	1 50
Red Currant	2 75
Red Cherry	2 75
Golden Queen	2 60
Yellow Plum	2 25
Mixed Varieties	2 00
Purple Husk	3 00
Strawberry, or Ground Cherry	2 50

**VINE PEACH.**

Vine Peach	60
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## TURNIP.

	LB.
Early Snowball .....	40
Scarlet Kashmyr .....	1 25
Nimble Dick .....	60
Early Purple Top Milan (crop short). .	35
Early White Egg .....	35
Early White Flat Dutch .....	35
Large White Globe .....	35
Purple Top Strap Leaved .....	35
Purple Top (fleshy) .....	35
Golden Ball or Orange Jelly .....	40
Yellow Axle Root .....	4
Breadstone .....	40
Mixed Varieties .....	4

## RUTA BAGAS.

Monarch. A grand variety.....	
Improved American .....	
Carter's Improved Hardy Sweet	
White Sweet Geltbach .....	

## SELECTED FARM SEEDS.

We make a specialty of the best grades and varieties of Farm and Garden Seeds. The prices in the above present prices, January 18, 1886, and they are subject to change of market. (Bags extra.)

Seed Corn	Longfellow of Miles	lb.
Iowa Sweet Morn		8
Legal Tender .....	2 0	
Early Longfellow Dent .....	85	
Clark's Mastodon .....	1 20	
Clark's White Pear .....	85	
Star Leaming .....	75	
Longfellow Flint .....	25	
Pride of the North .....	1 00	
Hickory King .....	1 25	
Yellow Dent .....	65	
Monster Blood .....	1 00	
Brazilian Flour .....	2 00	
Yellow Rose .....	1 00	
Lenocher's Homestead .....	1 00	
Early Conqueror .....	1 40	
W.M. Clark Yellow Dent .....	1 40	
Golden Beauty .....	1 00	
Manx W.M. Clark Sweet .....	1 35	
Mortgage Lifter .....	1 35	
Gold Mine Sweet .....	1 35	
Blount's White Prolific .....	1 80	
Champion Yellow Dent .....	1 30	
Fodder Sweet .....	1 25	
Primitive or Husk. Per lb. 45c.		
Giant Mexican June. Per lb 25c.		
Seed Oats—Lincoln .....	50	
New Zealand .....	60	
Seed Wheat—Vesuvius Chaff .....	85	
Turkey Bell Winter .....	75	
Barley—Manshury .....	75	
Ideal .....	2 00	

## SWEET PEAS.

LB.	lb.
Fine Mixed .....	30
Perfected Mixed .....	50

## PANSY SEED.

OZ.
Good Mixed .....
Fine Mix'd .....
Choice German Mixed .....
International Mixed .....

## PAPER SEED BAGS.

	Per 100.	Per 1000.
Flower seed size .....	20	\$1 50
Vegetable seed size .....	25	2 50
No. 4 oval size .....	25	2 50
No. 5, two ounces .....	35	2 75
One pint .....	45	3 75
One quart .....	50	4 50
One quart' .....	50	4 50

Rye	SPRING	LB.	100 LBS.
W.M. ....		8	
Field Peas—White .....	1 25		
Green or Blue .....	1 50		
Golden Vine .....	2 00		
Field Beans—Pinto Tree .....	2 25		
Soja Beans .....	3 00		
Buckwheat—Japanese .....	1 00		
Silver Hull .....	1 00		
Common .....	.90		
Flax .....	1 50		
Lawn Grass—Central Park		LB.	100 LBS.
Mixed .....	15		\$12 50
Evergreen Mixed .....	12		10 00
Sunflower—Man. Russian .....	5		3 50
Cane—Lafayette .....	5		
Amber Fodder .....	3		1 50
Kafir Corn .....	1		.75
Durra .....	6		4 50
Broom Corn .....	5		
Wilson's Improved Evergreen .....			
green .....	7		3 50
Australian .....	10		5 00
Tall Evergreen .....	5		2 50
Dwarf Evergreen .....	5		3 50
California Golden .....	5		3 00
Rape—Dwarf Essex .....	15		10 00
Lentils—Soybean .....	12		
Seed Sweet Potatoes (per lb.) .....	15		
Artichokes (per bu.) .....	1 20		
Horse Radish Sets (per 100)			65

	BU.	LB. 100 LBS.
<b>Seed Potatoes—Bonanza</b>	\$ .80	Lawn Grass—Evergreen
Extra Early Ohio (northern)	1.00	Mixed ..... 12 \$10.00
Early Ohio (Iowa grown)	.75	Central Park Mixed .. 15 12.50
Early Beauty of Hebron	.85	<b>Flower Plants</b> -30 per cent discount from list prices.
Parson's Prolific	.75	<b>Flower Bulbs</b> -30 per cent discount from list prices.
Columbian Peachblow	1.25	<b>Nursery Stock</b> -30 per cent discount from general list prices.
Early Six Weeks	1.15	<b>Wire Plant Stands</b> -40 per cent discount from mnfrs. list prices.
Alexander's Prolific	1.00	<b>Fruit Packages</b> Ask for prices.
Freeman	1.00	<b>Perfect Plant Food</b> 1-lb. pkgs.
Champion of America	1.20	3.50 per dozen ..... \$1.00
Rural New Yorker	.75	20 1-lb. pkgs. per dozen ..... 1.75
Van Orman's Earliest	1.40	<b>Lawn Dressing</b> —(Per 100 lbs.) 3.50
World's Fair		
<b>Rhubarb Roots</b> (per 100)		
Garlic (per lb.)		
<b>Vegetable Plants</b> —Ask for prices in season.		
<b>Asparagus Roots</b> —Conover's Col.		<b>Bird Seed</b> Canary ..... LB. .05
1 year, (per 1000) ....	3.00	Hemp ..... 04 1/2
Conover's Col., 2 yr., (per 1000)	4.00	Rape ..... 05
Palmetto, 2 year, (per 1000)	4.50	Maw ..... 20
<b>Mushroom Spawn</b> —Per lb. ....	10	Mixed seed for canaries ..... 04
<b>Onion Sets—Yellow</b>	BU. 2.50	Mixed seed for parrots ..... 07
Red. ....	2.50	Sunflower ..... 05
White. ....	3.60	
Tops ....	3.00	<b>Garden Tools</b> Planet Jr. Hill Dropping Drill ..... EACH \$ 8.00
Winter Tops. ....	1.00	Planet Jr. Single Wheel Hill Dropping Drill ..... 7.20
<b>Clover—Medium Red</b>	1.1	Planet Jr. No. 2 Drill ..... 5.20
Mammoth Red. ....		Planet Jr. Combined Drill, Cultivator, etc ..... 7.20
Alsike. ....		Planet Jr. Double Wheel Hoe etc ..... 4.80
Alfalfa. ....		Planet Jr. Plain Double Wheel Hoe ..... 2.80
White. ....		Planet Jr. Single Wheel Hoe etc ..... 3.60
Crimson		Planet Jr. Plain Single Wheel Hoe ..... 2.20
Honey (Per lb. 35c) ....		Firefly Single Wheel Hoe ..... 3.00
<b>Timothy</b> ....		Firefly Garden Plow ..... 1.75
<b>Ky. Blue Grass</b> Fancy clean		McGee Garden Cultivator ..... 3.65
Extra clean. ....		Matthews' Seed Drill ..... 7.00
<b>Orchard Grass</b>		Peerless Garden Cultivator ..... 4.60
<b>Red Top—Prime</b>		Planet Jr. Horse Hoe, etc ..... 6.00
Fancy. ....		Planet Jr. Twelve-Tooth Harrow, etc ..... 6.00
<b>Millet</b> Golden Wonder		
Early Harvest. ....		
German. ....		
Common. ....		
Manitoba. ....		
<b>Hungarian</b> ....		
We issue a price current about once a week of our grass and field seeds, potatoes, onion sets, etc. Dealers should ask for it.		Ask for large illustrated catalogue of Planet Jr. Tools.
<b>Fancy Grasses.</b>	LB. 100 LBS.	<b>Broadcast Sowers</b> Improved Strowbridge ..... 8.00
Rhode Island Bent. .... 25	\$18.00	Little Giant Hand ..... 1.20
Meadow Fescue. .... 15	9.60	Iowa Hand ..... 1.60
Perennial Rye Grass. .... 10	7.00	<b>Columbia Lawn Mowers</b> 12-in. 3.00
Crested Dogtail. .... 40	33.00	14-Inch ..... 3.25
Sweet Vernal. .... 25	16.50	16-Inch ..... 3.50
Sheep's Fescue. .... 15	12.50	<b>Mole Traps</b> ..... 80
Creeping Bent. .... 25	20.00	<b>Spraying Pump—Daisy</b> ..... 75
Wood Meadow. .... 30	26.50	<b>Rotary Corn Planter</b> ..... 1.20
		<b>Bone Meal</b> Per 100 lbs ..... 2.10

	EACH		
<b>Hand Weeders- Large's</b>	25	Cracker Crunchs. per lb.	1 20
Hazeltine's.....	25	First Best Butter w. stain	14 50
Excelsior.....	10	Wilson's Hand Bone Mill....	4 00
<b>Potato Knives.....</b>	25	Poultry Wire Netting. 36 inch per roll (150 running feet) ...	2 25
<b>Hammond's Slug Shot Per 100</b>		Poultry Wire Netting 48-inch per roll .....	3 00
1bs. 50c. 50 Pcs. 22 20 100 lbs.			
<b>\$4.25.</b>			
	PER 100. PER 100.		
<b>Fluted Flower Pots.</b>			
4-inch pots .....	1 50	Peel's Poultry Food. 1½-lb. pkgs., per dozen.....	2 00
5-inch pots .....	2 50	Perf. Pot. ....	1 00
6-inch pots.....	3 75	1 25 per doz. ....	4 00
7-inch pots.....	5 75	Lambert's Death to Lice. doz.	1 00
8-inch pots.....	7 50	Iowa Leg Bands. per 100.....	1 00
<b>Poultry Supplies</b>		Phila. Poultry Markers. dozen	2 50
Cottonseed meal, 50 lbs. ....	1 00	Nest Eggs. per dozen.....	20
Cottonseed Meal, 100 lbs. ....	1 50		
Cottonseed Meal, 200 lbs. ....	2 50		

## **RETAILERS' ASSORTMENT**

Customer's order for 2000 boxes of "A" size and 1000 boxes of "B" size. Total cost \$1000.00. Total sales \$1250.00. Total profit \$250.00. Total time 60 days. Thus giving you \$4.17 profit per day.

#### BULK PACKAGE

Practical and Theoretical Statistics  
by C. H. W. Biggins, M.A., F.R.S.  
London: Longmans, Green & Co., Ltd.  
1922. Pp. viii + 256. 8s. 6d.  
\$3.50.

Both the above boxes for \$10 net.

**IT WILL PAY YOU** to try the new varieties which it will pay you to try.

**PRICE CURRENT** of stocks, bonds, & stocks - 1888. **PRICE CURRENT** of stocks, bonds, & stocks - 1888.

## ... Seed Corn ...

There will be a heavy demand for Seed Corn this year throughout all of Iowa and the west, as the seed is scarce, and farmers are beginning to realize that it pays to plant good "New" seed, as well as winter seed. One of all the best varieties, and it will pay farmers this year to buy some of it. Never pay less than \$1.00 per bushel for seed corn. It will pay you to make out a list of customers on page 6 of this list, and to keep a copy of one Iowa Corn Mine and several leading S. S. dealers for writing up to them for customers. See description of S. S. dealers on pages 10 to 15 of our large catalog, and also the \$1000.00 worth of S. S. on page 18.

# IOWA SEED CO.,

613-615 Locust St..

# DES MOINES, IA.



**MAMMOTH LUSCIOUS SUGAR PEA.**

This is pronounced one of the greatest novelties in the pea line of recent introduction. Nothing has ever anywhere approached in size or delicacy of flavor, it being far superior to the Melting Sugar or any other varieties of peas, shelled or sugar. Dr. F. M. Hexamer, editor of the *American Agriculturist*, writes: "We have grown nearly every variety of Sugar Peas listed in seedsmen's catalogues, but have never seen anything to compare with the Mammoth Luscious." This new sugar pea bears pods much larger than any other variety. They are often six to seven inches long, and an inch and one-half broad. The pods are so long and broad that they should be sliced and boiled about ten or fifteen minutes when old, and have a little butter or sauce put over them, when they will be ready to supply the table, and makes an excellent, nutritious dish. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch and gluten, are very nutritious for family use. We likewise commend them for the rapidity which they can be gathered and prepared for cooking, in comparison with the shell peas. If you have never grown the Sugar Peas you should certainly include Mammoth Luscious in your order. Per pkt. 10c,  $\frac{1}{2}$  pt. 25c, qt. 75c.

**STRINGLESS GREEN POD BUSH BEAN.**

The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and when we add that the pods are ready to market two weeks earlier than the best stock of improved extra early Red Valentines, we are sure that Burpee's Stringless Green Pod will supply a long felt want. It must prove of immense value, not only to the market gardener who wants to make more money, but also to the amateur who seeks a rare quality early for the home table. Per pkt. 10c,  $\frac{1}{2}$  pt. 25c, qt. 85c.

COLUMBIAN MAMMOTH WHITE ASPARAGUS.

**COLUMBIAN MAMMOTH WHITE ASPARAGUS.**

A new and entirely distinct variety, that produces shoots which are white, and stay white, as long as fit for use. In addition to the advantage of its white color, it is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up, as in the green sorts, in order to furnish the white shoots so much sought after. This grand result in producing a White Asparagus did not come by chance, but was the outcome of years of patient work and careful selection by the originator. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**ROOTS OF COLUMBIAN MAMMOTH ASPARAGUS.**

Two years time can be saved by setting out the roots. We can furnish strong two-year old roots. Postpaid per doz. 25c, per 100 \$1.50. By freight or express per 100 \$1.00, per 1,000 \$8.75.

**MARKET GARDENER'S PARSLEY.**

An extra choice stock with dark green, beautifully curled, mossy leaves; very ornamental in growth and very productive. Most valuable for either garnishing or flavoring. The leaves can be gathered earlier than other varieties, and what is more important it retains its dark green color very late in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Is really improved by severe cutting. It stands heat, drouth and cold better, and will yield more than other sorts either in open ground or frames. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**LONG KEEPING RED GLOBE ONION.**

One of the largest onion growers in this state has been at work for the past seventeen years to obtain a model onion for market. Each year he has selected the most perfect dark red, globe-shaped onions with the smallest top, and in order to obtain a strain which would keep well, he rejected any which showed signs of starting by spring. From this long continued selection he has obtained a strain which is far superior to any other we have ever seen. The bulbs are very hard, solid, and round as a ball and there are no scallions or thick necks among them. We kept several specimens in a warm steam-heated office for several weeks and they remained solid intact, while specimens of other varieties produced sprouts two to six inches long. We have only sufficient seed this year to offer in small quantities, but we hope all onion growers will try them so as to know what to buy another season. Per pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.



MARKET GARDENER'S PARSLEY.



BURPEE'S NEW STRINGLESS GREEN POD BUSH BEAN.



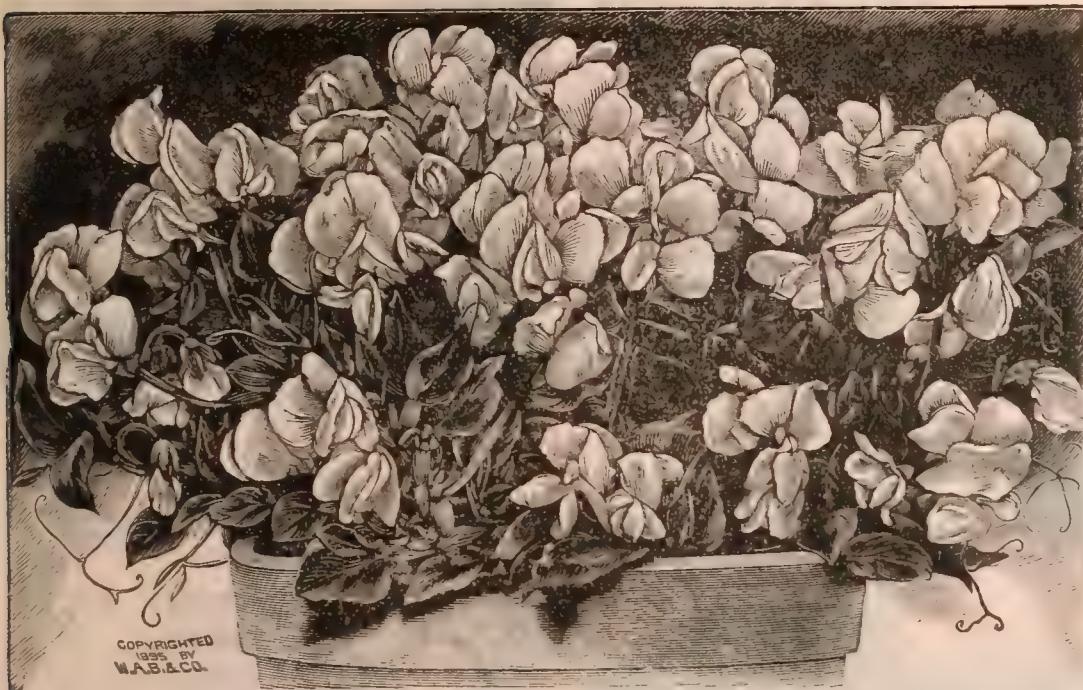
LUSCIOUS SUGAR PEA.

**CALHOUN PUMPKIN**

A great improvement on the Large Cheese pumpkin. Size somewhat larger, color creamy brown, flesh deep salmon yellow, wonderfully thick and fine grained, while the seed cavity is very small. It is not unusual to find specimens with flesh 5 $\frac{1}{2}$  to 6 inches thick. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has this year been renamed by one dealer the New Tennessee Pumpkins. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. \$1.00.



LONG KEEPING RED GLOBE ONION.



A SINGLE PLANT OF CUPID SWEET PEAS IN A TWELVE-INCH POT.

**NEW DOUBLE SWEET PEAS.****"The Bride of Niagara."**

A great novelty for 1896 and one which our customers will take pleasure in cultivating. It originated in the garden of Mrs. O H. Day, near Niagara Falls, and it is the first double variety ever offered. There are two or three standards or upright parts. These standards are of a clear rose color, while the other parts are white. The duplicate or triplicate banners make it remarkably showy, and render it more durable as a cut flower. Colors pure and beautifully blended, of the sweetest fragrance and altogether a most lovely new variety. Per pkt. 25c.

**NEW WHITE BRANCHING ASTER.**

One of the best floral novelties and one which every flower lover should try. It is easily grown from seed and is of great utility and beauty for bedding purposes coming at a season when there is little else in flower, anticipating as they do the chrysanthemum season by a month or six weeks. The flowers are borne on very long stems and are pure white of extraordinary size, being four inches or more in diameter. The petals are broad, long, and many of them more or less twisted or curled in such a manner as to give the blooms the appearance of large loose and graceful chrysanthemums. The resemblance is so perfect that nearly everyone would so consider them when seen as cut flowers. The plant is a strong grower and its tendency to form numerous branches is very marked, therefore it should have more room than the ordinary aster. The plant continues to grow later in the season than any other variety with which we are acquainted, and blooms correspondingly late, thus giving its crop of flowers in late autumn, a season when there is always a scarcity of bloom. Per pkt. 10c.



STRIPED JAPANESE MAIZE.

An ornamental foliaged plant of rapid growth, giving immediate effect, and one which would be attractive in any garden. It is a native of Japan but appears in many respects like corn. It grows from five to six feet high and has alternate foliage, the leaves being very long and two to three inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. The leaves are waxy and gracefully recurved. Our illustration does not do it justice. Desirable for groups on the lawn, or in ribbon beds, or a back border to the lawn. Attracted much attention on our seed farm the past season, and as our crop was good we have made price low. Per pkt. 5c, oz. 20c.

**CUPID SWEET PEAS.****Most Unique Floral Novelty for 1896**

Last spring when we learned of this most wonderful new variety, we made up our mind to see it no matter what it cost. The seed could not be purchased at any price and there were only three places in America where it was being grown. The manager of the Iowa Seed Company therefore traveled a long distance to view them, and was really surprised and felt amply repaid for all the time and expense incurred, by the beautiful sight. They are indeed a superb novelty, and distinct from all other varieties. Fancy a solid area of deep green—just as green as cypress or myrtle—a carpet of plants only five inches high, spreading out from the roots so as to meet, when the seed is planted two feet apart in rows; then fancy this carpet of deep living green springing into blossom in one week, all a mass of white—clear waxy white sweet peas on stems four to six inches long and a hundred on a plant; all white—like a mass of snow. Indeed, so strongly contrasting with the deep green foliage that the purity of the whiteness of Cupid's flowers seem even whiter than snow itself! Cupid excites wonder wherever seen—such a Sweet Pea, yet in habit so unlike a Sweet Pea, with all the fragrance of the most favored Eckford's. The flowers are the size of the Emily Henderson, but with more substance in

the petals of both wings and standards than any other sweet pea. It bears two or three blossoms on the end of each stem,—all opening about the same time, so that it is unnecessary to pick a stem with a bud and an open blossom.

In California last summer it began blooming April 15th and continued in flower until killed by the frost.

Cupid grown in a twelve-inch pot just fills the top; with its blooms of glistening whiteness it is wonderfully attractive in the house, the public hall or the conservatory. In the garden it will be used chiefly as a border plant, for it will bear trimming to just the proper shape. The foliage alone is pretty enough for any border, but this is forgotten when Cupid bursts into a mass of snow white blossoms, not unlike a very dwarf hedge covered with snow. Cupid is a grand flower for floral designs, and only needs to be so used to prove its merit. Nothing could make a prettier wreath, cross or pillow, than a mass of its snow white blossoms wired in with ferns, smilax or other suitable green. The violet, the rose, and the carnation will have to share their popularity for a gentleman's boutonniere with Cupid; it is just the thing—it has the fragrance and the beauty, and it is a Sweet Pea,—the only sweet pea that looks well in the buttonhole. See illustration on front cover of catalogue and don't fail to try it this year. Per packet of 10 seeds 15c, 2 for 25c, 10 for \$1.00. Larger packets, 20 seeds 25c each, 5 for \$1.00.





GOLDEN BALL ASTER.

**GOLDEN BALL ASTER.**

The long sought novelty—a yellow aster—has finally been produced and will be warmly welcomed by all flower lovers. The form of the double flower is a perfect ball; the quills are close together and of the brightest sulphur yellow, not a mere indication of the color as in former efforts. The border petals are broad and of a lighter tint, seeming to enclose the flower like an old-fashioned bouquet paper. The flowers are borne upon long, erect stems, excellent for cutting. As shown in the illustration, the plants, twelve to fifteen inches high, are of compact, bushy growth, and most abundant bloomers. Per pkt. 15c, 2 pkts for 25c.

**BLUETS, OR "QUAKER LILY."**

One of the prettiest little wild flowers in central Pennsylvania, but very little known away from there. As soon as spring sets in it opens its bright little flowers and continues blooming profusely until the middle of June, the plants fairly carpeting the ground and presenting a perfect mass of bloom. The flowers are bell-shaped, color light blue with a yellow center. Does better in half shady positions. It grows readily from seed, blooms the first season and is quite hardy. Per pkt. 10c.



BLUETS.

**NEW MAMMOTH HELIOTROPE.**

A few years ago there was very little heliotrope seed sold, but during the past five years our trade in it has largely doubled every year as our customers learn how easily plants are grown from seed and from a single plant a large number of strong healthy plants are produced which would cost ten to twenty-five cents each at the florists. No matter if you have never grown heliotropes before, you should not fail to try this super new variety. It is a strong grower, the plants covering a space of two to three feet square and producing a constant succession of flowers. It bears flowers some of the leaves containing as many as 800 flowers. In color it varies from a most pure white to the deepest dark blue. Start seed early in the year and they will be unsurpassed as a garden plant and summer and of great value as a pot plant at all times of the year. Very desirable for cut flower purposes. Per pkt. 15c.

NEW DOUBLE PINK  
"FIRE BALL"**MAMMOTH PERFECTION COSMOS**

The glory of the autumn garden. The flowers are double the size of the old large-flowering Cosmos, measuring 12 to 15 inches in circumference; the petals are broader and overlapping, forming a perfectly round flower deeply ribbed and of splendid substance. For cutting for bouquets and vases this is one of the finest flowers grown lasting in water two weeks; the long stems and feathery foliage lend themselves to beautiful arrangements. This new mammoth strain of cosmos is the glory of the autumn garden. The plants, 5 to 6 feet high, of symmetrical pyramidal form, are covered with silvery, emerald-green foliage, studded with mammoth flowers of white, pink or crimson, enlivening the garden long after more tender flowers have succumbed to early frost. If grown in pots and housed by the end of September they will flower all winter. Per pkt. 10c.

**GLOBE OF GOLD SUNFLOWER.**

A dwarf, well branched plant growing only about three feet high, and each of its numerous branches carrying a medium sized, densely double, globe shaped flower of rich deep golden yellow color, being veritable globes of gold. The most densely double of any sunflower. Plants are easily grown from seed and produce handsome, symmetrical plants, very effective on lawns or in the flower garden. Per pkt. 10c.

**FREESIA GRANDIFLORA.**

This new variety grows from 12 to 15 inches high, with very large spikes of flowers which are double the size of the ordinary variety. The bulbs are larger than average, more vigorous, and it is altogether a great improvement. The flowers are white with yellow centers, pale yellow with orange centers, cream and white tinted with lavender or brown. Choice mixed, per pkt. 10c.

**GAY AND FESTIVE NASTURTIUM.**

A new and greatly improved strain of dwarf nasturtiums from California, showing a most charming combination of colors. Flowers unusually large, double, and fringed. Every flower lover should plant a bed of them this year. Thirty distinct varieties mixed. Per pkt. 10c.

**SALMON QUEEN DIANTHUS.**

This new variety represents a beautiful acquisition to the annual pinks. Its flowers are of a very distinct and perfectly new tint in this class, being of the most brilliant salmon color imaginable, changing into a salmony rose when fading. That this variety is distinct from all others is easily proved by the seeds, which are white or yellowish, white while those of all other annual pinks are dark brown or black. The flowers are well formed and nicely fringed; the plants attain a height of 10 to 12 inches. Seventy-five to eighty per cent of the seedlings will come true from seed. Per pkt. 10c.



GLOBE OF GOLD SUNFLOWER.



LATANIA BORBONICA.

**LEGION OF HONOR MARIGOLD.**

Now don't say, "It's only a marigold," and pass it by, for this is the prettiest of all, and in fact few would take it to belong to that family. It is dwarf, compact and of pyramidal growth, about five inches high, with dark green, fern-like leaves, furnishing a striking background for the bright, golden, star-like flowers. The blooms are of medium size, rich golden yellow with the center of each petal broadly marked with velvety crimson brown. Easily grown from seed, and flowers freely from July until frost. Per pkt. 5c.

**NEW FANCY FLOWERING GIANT PETUNIAS.**

This is the most costly and scarce seed we have, and the cost of production is so great that the crop is actually worth more than the same weight of gold. It is unquestionably the finest and most thorough selection of petunias in existence. They are of enormous size (four to five inches across), and exquisitely ruffled and fringed, but their great merits lie in the varieties of colors, markings, veinings, blotchings and stripings in the most grotesque and beautiful combinations; some with charming deep throats of yellow, white, black, green, or maroon, running off into intricate veins. Some of the colors are rich and gorgeous, and others of lovely delicate shades. In order to fully introduce this magnificent class of petunias, we make the price very low. Per pkt. 20c, 3 pkts. 50c, 7 pkts. \$1.00.

**CALIFORNIA YELLOW BELLS.**

One of the loveliest of California annuals, which has escaped attention among lovers of flowers. The Yellow Bells of California, as it is called, forms a broad bush eighteen inches to two feet high. Each of its numerous branches is fairly loaded with bell-shaped, peduncled flowers, a half inch long, and of a delicate cream color. The flowers are almost everlasting, the persistent corolla drying and retaining its shape until the seed has ripened. The pinnatifid foliage has caused the plant occasionally to be taken for a fern before it blossoms. The seeds may be sown in mellow soil early in spring or as soon as frosts are past, or the plants can be brought into earlier blooming by sowing seeds early in the greenhouse, hothed or cold frame, and afterwards transplanting to a permanent place in the border. Per pkt. 10c.

**DIAMOND FLOWER.**

A dainty little annual with tufts of tiny foliage, and beautiful little white and violet blue flowers that bloom within a month from the time seed is sown. It will grow in the open ground, over rock-work or in pots, never exceeding three inches in height and rarely two. The tiny flowers have a glistening sheen that has given them their name of Diamond Flower, and being surrounded by a wreath of bright green foliage, they show to a wonderful advantage. For pot culture in winter it is just superb. Sprinkle a few seeds in a small pot or saucer, or in pots where other plants are growing, and within a month you will have the most charming mat of foliage and flowers—covering the surface of the soil like moss—that you ever saw. In the fall the self-sown seed will come up and bloom profusely until the ground freezes and begins again early in the spring. Per pkt. 8c.

**HIGHLAND PANSIES.**

The most exquisite new varieties, grown by a celebrated pansy specialist in Scotland. Their merit consists in uniformly clear, distinct markings, high colors, perfect form and largest size. They are sure to please. Per pkt. 20c.

**ELEGANT PALMS.**

These have for centuries been considered exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of the rarer sorts have brought as high as \$1,500.00 each. It is now known, however, that they are easily grown from seed, and we have secured a large lot of nice fresh seed for our customers so that we can furnish it at such a low price that everyone could afford to supply themselves with these beautiful and elegant plants. Directions for growing will be printed on the packet.

**LATANIA BORBONICA.**—This is the typical palm, and is more largely used than any other. Its strong, healthy habit commends it to all, and gives it a fitness for window and room culture not possessed in the same degree perhaps by any other. It is the *Chinese Fan Palm*, from which the palm leaf fans of commerce are made. Easily grown and tenacious of life. Per pkt. 10c.

**CHAMEROPS EXCELSA.**—From southern China and Japan. Very hardy, having stood three degrees Fahrenheit with but slight covering. One of the very best palms for house culture in cool climates, forming a fine specimen, standing ill usage remarkably well. Very handsome palmate leaves. Per pkt. 10c.

**PHÆNIX DACTYLIFERA.**—A native of northern Africa. This is the palm from which the date of commerce is obtained. It is grown in some parts of California successfully from a commercial point of view. Produces fruit when about ten years old. Exceedingly beautiful for pot culture and very hardy. Per pkt. 10c.

**WASHINGTONIA FILIFERA.**—This is one of the best window palms, needing no potting to succeed. Stands dust and dry air, and lack of sunshine, and is very ornamental with its elegant fan-shaped leaves of a rich, dark, leathery green. Pictur-esque fringed with long, thread-like filaments along the segments of the leaves. The plant is a compact grower, well adapted to pot culture, succeeding in any situation, and with any treatment that will keep a geranium alive. Per pkt. 10c.

**A GRAND OFFER!**—One packet each of the above four varieties for 25 cents; five packets of each for \$1.00.



LEGION OF HONOR MARIGOLD.

**IMPERIAL NASTURIUMS.**

If we were asked to name the six best annuals, the nasturtium would be one of them. They are so easy to grow that a six-year-old child could plant and care for them, and they have every good quality of a bedding plant—compact habit, attractive foliage, intensely bright and beautiful flowers borne profusely the whole season, not troubled by insects, and standing dry weather well. Our Imperial Nasturtiums consist of about 20 of the best dwarf varieties, selected from both American and foreign growers. When planted in beds will produce a most gorgeous display of beautiful flowers of all shades of color. Per pkt. 10c, oz. 25c.



CALIFORNIA YELLOW BELLS.

## NEW DOUBLE-FLOWERED MORNING GLORY.

The number of hardy annual climbers is not very great, and we do not doubt a moment but that this first double-flowered convolvulus major or morning glory ever introduced will be greeted as a welcome addition to this class of plants. It is of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of the larger petals. About 80 per cent of the seedlings will reproduce themselves true from seed; the remainder will flower semi-double or single. As a blue variety has shown itself this season, we presume that all the other colors of the single-flowered morning glory will be produced by hybridizing before long. Seeds should be sown as early as the ground can be worked in the spring, or may be sown in the house and transplanted outside as soon as the weather permits, so that a long sea-on of beautiful flowers may repay you. Truly a lovely addition to the floral kingdom, as one can never forget the beautiful appearance of one of these lovely plants in full bloom, with its light graceful foliage and hundreds of delicate flowers playing peek-a-boo among the leaves. Per pkt. 10c.

## GOLDEN GLORY CALIOPSIS.

Beautiful yellow flowers are indispensable in all gardens, and for all decorations this new Giant Caliopsis is without equal. Large, graceful, golden flowers, borne on long stems, are alike valuable for gardens, for bouquets and decorations. It is a continuous and persistent bloomer and is desired at once by all who see it. The plants are a perfect glory of large golden blossoms, double the size of the older sort. They are prettily toothed at the edges. It is a fine winter bloomer. In fact is never without flowers all the year. Per pkt. 10c.

## NEW DOUBLE MORNING GLORY

### PEERLESS MIXED BALSAMS.

Several European and American specialists have been devoting much of their time during the past few years to improving this popular flower, until now we have a plant which is worthy of a place in any parlor, and will prove satisfactory to the most fastidious. The flowers are of the most perfect camellia-flowered and rose-flowered types, intensely double. The plants are of most ideal, symmetrical shape, fairly loaded with flowers and a continuous bloomer, sometimes 500 magni-cent large blooms on a plant at one time. Seed may be sown out doors at the usual corn planting time, but we consider it better to start it early under glass or in a box in the house. Plants should have plenty of room when set out, for if crowded they will never prove satisfactory. Per pkt. 10c, 3 pkts. for 25c, 7 for 50c.

### IMPERIAL JAPANESE MORNING GLORY.

A most elegant new climber, the seeds of which were sent to this country a few years ago by the director of the Imperial Japanese Garden. The vines are of strong and robust growth, attaining a height of from 30 to 50 feet. The foliage is most luxuriant, distinct and varied—some vines have rich vivid green leaves, others have silvery leaves, yellow leaves, or leaves mottled and checkered like rich mosaics of light and dark green, white and gray. The flowers are of gigantic size, measuring from 4 to 6 inches across, remaining open much longer than ordinary morning glories. The flowers are of deep, rich velvety tones, others more faintly tinted and shaded than no artist's brush could portray. Some are striped, starred and spotted; others have magnificent edges and throats. They are of the easiest culture. Sow early in a warm, sunny position in good, rich soil, and give plenty of water in dry weather. Per pkt. 15c.

### EARLY DAWN COSMOS.

This new variety is bound to become popular on account of its extreme earliness. It blooms fully two months ahead of any other cosmos, making it of special value. Seeds sown in open ground in May produce blooming plants before the middle of July, or in about two months from the time of sowing, and continuing until destroyed by frost. The flowers are a little smaller than the late kinds, but its earliness and profusion of bloom through a much longer season will more than compensate for any lack of size. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers, which are produced on long stems and are very desirable for bouquets, as they will last a week after cutting. Well worthy of a trial by all who wish a free blooming plant of the easiest culture. Mixed colors. per pkt. 10c.



### BEGONIA ERFORDIA.

A little beauty as well as a most distinct novelty. It is a most profuse bloomer from early summer until late autumn; even a light frost will not hurt it. The color of the flower is a lovely soft pink throughout, which does not fade even in the hottest summer days, when most other flowers seem to wither. The leaves and leaf stalk are of a coppery bronze of a rich shade, affording a most effective background for the flowers. Per pkt. 15c, 2 pkts. for 25c.

### PEERLESS MIXED BALSAMS.

The color of the flower is a lovely soft pink throughout, which does not fade even in the hottest summer days, when most other flowers seem to wither. The leaves and leaf stalk are of a coppery bronze of a rich shade, affording a most effective background for the flowers. Per pkt. 15c, 2 pkts. for 25c.

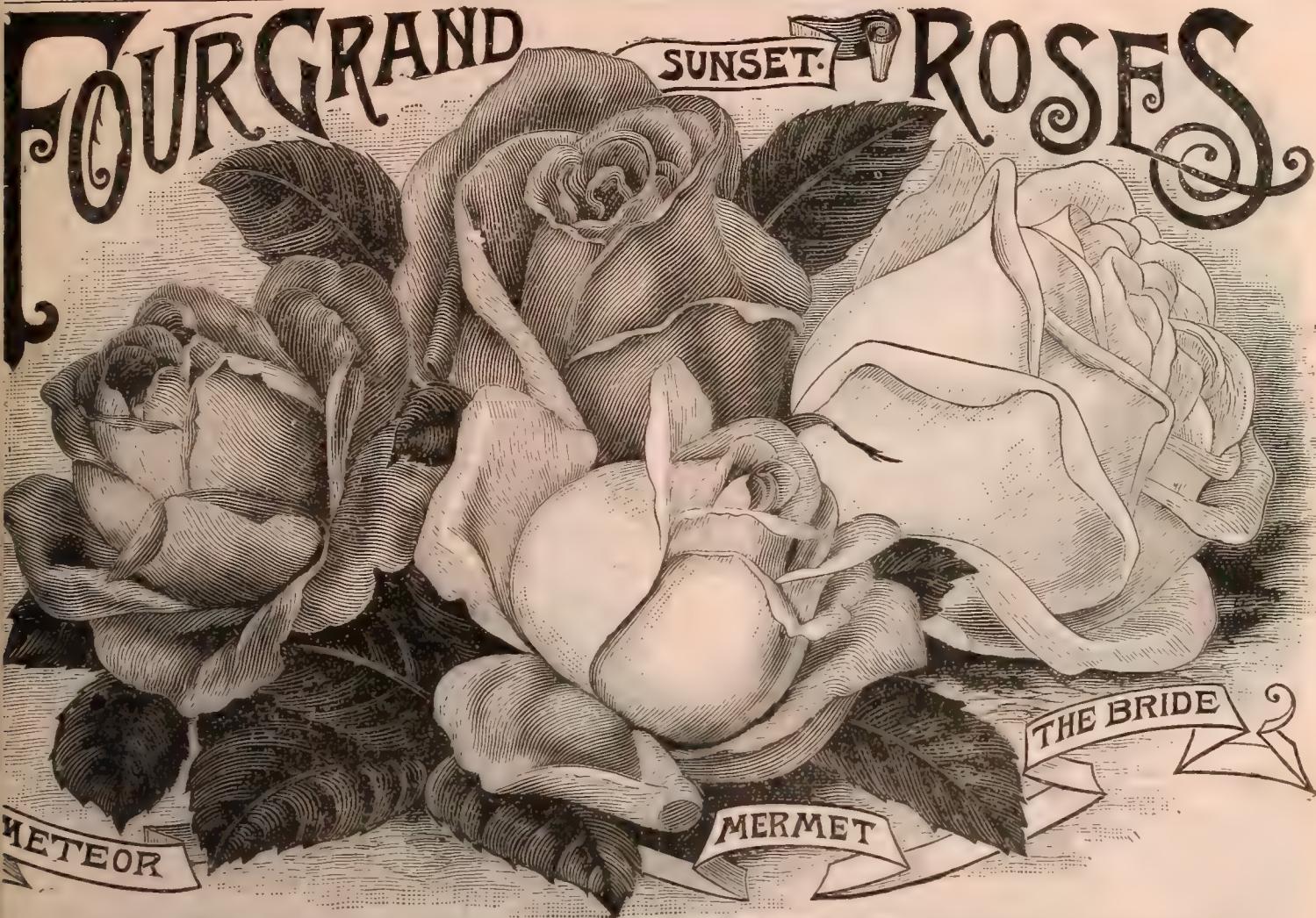
### WHITE BEAUTY SUNFLOWER.

A mammoth single-flowering variety with pure white seeds, which is the result of eight years of careful selection. Desirable for the flower garden and also unexcelled for poultry, only yielding the old sorts almost two to one in quantity of seeds produced to the acre. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 50c, postpaid.

### PERENNIAL CHRYSANTHEMUMS.

Everyone likes chrysanthemums, those grand flowers which fill the greenhouses, are the most attractive of window plants and worn almost universally on the streets of all cities during October and November. Our seed is carefully saved from a superb collection of the best varieties so cross fertilized that it will produce a wonderful variety of flowers, perhaps no two alike, and possibly some great novelties. They are easily grown from seed. Per pkt. 10c.





THE FOUR ROSES SHOWN IN ABOVE ILLUSTRATION AND THE RAINBOW FOR ONLY FIFTY CENTS, POSTPAID.

### FIVE GRAND ROSES.

One plant each of the five following varieties for 50 cents:

**METEOR.**—A rich, dark, velvety crimson Hybrid Tea; a free bloomer and vigorous grower, showing no tendency to mildew. Does not run single during summer, and as a garden rose it will prove valuable, and cannot be too highly recommended. Each 15c.

**MERMET.**—One of the finest roses grown. The buds are very large and globular, the petals being recurved and showing to advantage the lovely bright pink of the center, fading into light creamy pink, reminding one of La France in its silvery shading. A strong grower and fine bloomer. Each 10c.

**THE BRIDE.**—This is undoubtedly one of the finest white roses ever offered. The buds are very large and of exquisite form, and the flower very double, measuring from  $3\frac{1}{2}$  to 4 inches in diameter. The color is a delicate creamy white. The blooms will last in a fresh state, after being cut, longer than any other white variety. Each 10c.

**SUNSET.**—This exquisite orange yellow variety is one of the finest Tea Roses grown. The flowers are large and double. The exquisite shades of coloring found in this variety can only be compared to the gorgeous colors of a summer sunset; hence the name. Is deliciously fragrant, a strong growing and free flowering variety. Each 15c.

**NEW RAINBOW.**—This new rose from California was awarded a silver cup by the state floral society. The color is a lovely shade of deep coral pink, striped and mottled in the most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet, and of great depth and substance. It is a most charming new variety. Each 15c.

**EMPERRESS AUGUSTA VICTORIA.**—The finest white rose in existence for summer blooming. It is a true Tea Rose, soft pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. It is a continuous bloomer, the buds being of excellent perfect shape, while the full, open flower is unsurpassed and bows no center. Very fragrant. Each 20c.

**CHAMPION OF THE WORLD.**—The champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continues in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea rose. Blossoms are perfectly double to the center, of good shape, while its color is a degree of loveliness which few roses can equal, being a rich, deep rosy pink. Each 15c.

**MALMAISON.**—Flower extremely large; quartered and double to the center; color flesh white, clear and fresh. Each 10c.

**MADAME HOSTE.**—This is an exceedingly beautiful, new ever-blooming rose, extra large flowers, and superb buds very full and delightfully perfumed; color soft, canary yellow, deepening at center to pure golden yellow, beautifully flushed with pale amber; edges and reverse of petals rich creamy white; has proven excellent for garden culture. Each 10c.

**LA FRANCE.**—Undoubtedly the most perfect type of a cut-flower rose. No variety surpasses it in delicate coloring—silvery rose, shaded pink, with a satiny sheen over all its petals. Flower large, keeps well, and of distinct pervading fragrance. Each 10c.

**MARECHAL NEIL.**—Very bright, rich golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. This is unquestionably the finest of all Tea roses; truly magnificent. We have seen greenhouses devoted to a single plant of this variety, from which it was not unusual to cut five hundred to two thousand flowers per day. Each 15c.

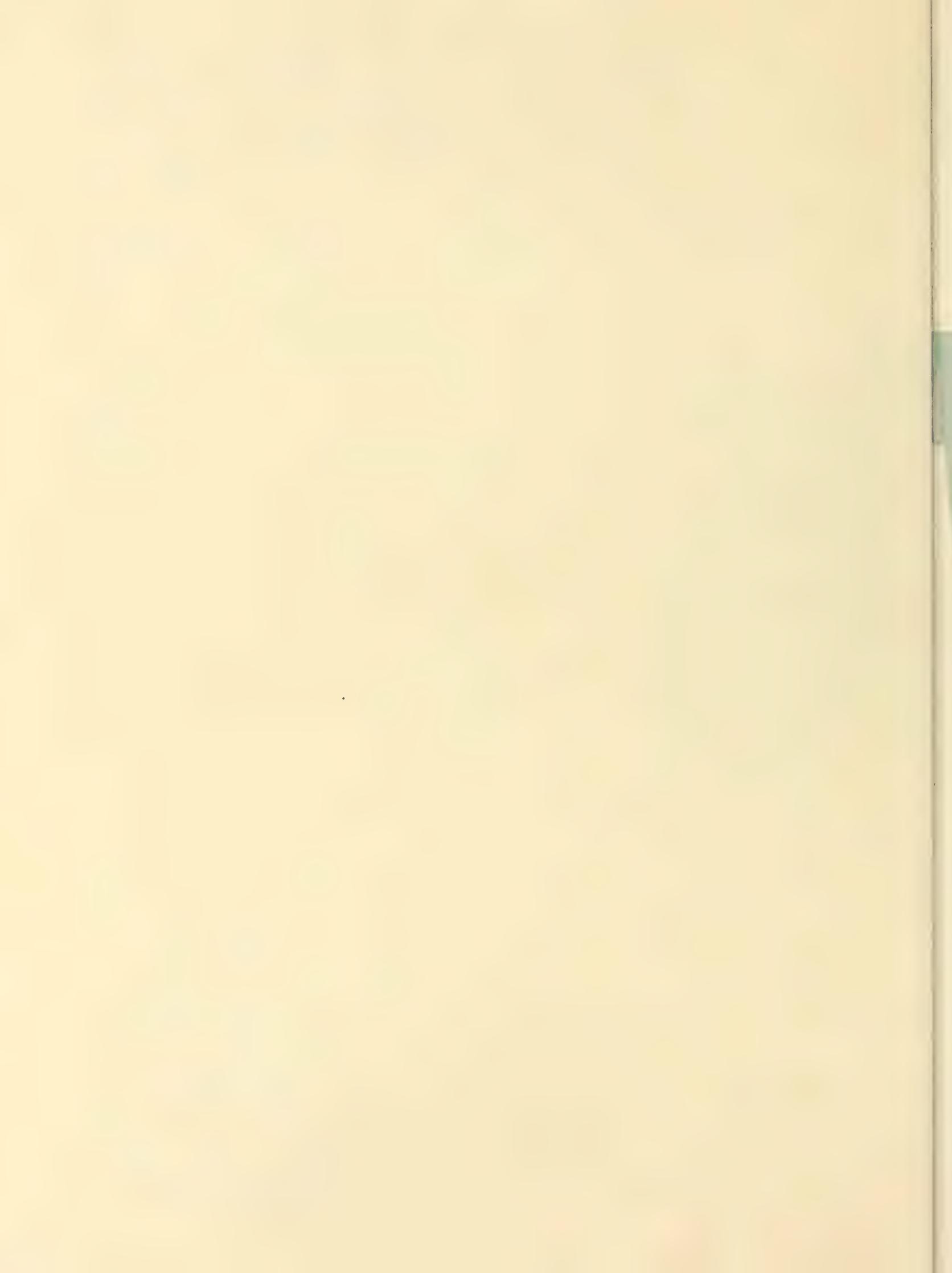
**AMERICAN BEAUTY.**—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers, exceedingly sweet, makes magnificent buds, is a good bushy grower, very hardy and a constant bloomer. Each 20c.

**ETOILE DE LYON.**—A magnificent Tea rose introduced from France; brilliant chrome yellow, deepening at center to pure golden yellow; flowers very large, double and full, and deliciously fragrant. Each 10c.

**PERLE DES JARDINS.**—Fine straw yellow, sometimes deep canary yellow; very large and of most perfect form. Each 10c.



ETOILE DE LYON.



## IN EXCHANGE . . .

Please mail us a copy of your  
Retail Catalogue, and also your  
Wholesale Price List.

Address, IOWA SEED CO.,  
. . . . DES MOINES, IOWA.



CRIMSON RAMBLER ROSE.

For the first time we offer dormant roses; this is to satisfy a demand from many customers for plants that can be planted outside early in spring, before it is safe to set out plants that are growing in pots and consequently are in full leaf. We can supply these from the time this catalogue is issued up to April 15th; after that time they can only be supplied from pots, at the prices quoted at the end of the list. The great value of these roses lies in the fact that they produce better flowers and make stronger plants in a shorter period than those grown from cuttings; and the advantage is, that having no soil on the roots and being dormant, they can be sent cheaply by express. Procure them early and store in the cellar until your ground is ready for them.

We can furnish any of the following varieties at 30c each, \$3.00 per dozen, by express. Too large for mailing.

**BARONESS ROTHSCHILD.**—An exquisite shade of satiny pink

**CAPTAIN CHRISTY.**—Delicate flesh color, deepening in shade toward the center; one of the most beautiful of roses.

**COQUETTE DES BLANCHES.**—Of medium size; color snowy white, sometimes delicately flushed with pale rose.

**EUGENE VERDIER.**—Crimson purple, large and full; a very fine, handsome rose.

**GEN. WASHINGTON.**—Brilliant crimson, very rich and beautiful; large, perfectly double and a free bloomer.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence. A hybrid perpetual sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Our cut will illustrate the shape of the flower, and the cut flowers are often sold by florists at from \$1.00 to \$3.00 each. Color a rich, dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large, free bloomer. Each 20c.

**MME. GABRIEL LUIZET.**—Light satiny pink; an attractive sort.

**MAGNA CHARTA.**—Dark pink; one of the easiest roses to grow.

**MADAME PLANTIER.**—As a cemetery rose it is still without a rival. The flowers are borne in the greatest profusion, and are of the purest white. Hardy as an oak and certain to grow as grass.

**PERFECTION DES BLANCHES.**—Pure white, free blooming.

**PERSIAN YELLOW.**—Hardy, yellow rose; best of its color.

**PRINCE CAMILLE DE ROHAN.**—Dark Crimson maroon, almost black.

#### MOSS ROSES.

**COMTESSE DE MURINAIS.**—Finest double white moss rose; large, beautifully mossed.

**HENRY MARTIN.**—Fine, rosy carmine.

**CRESTED MOSS.**—Deep rose-colored, very fine, handsome buds, surrounded with mossy fringe.

**CAPTAIN INGRAM.**—Dark velvety purple; very handsome.

**GLORY OF MOSSES.**—Pale rose, very heavily mossed; one of the best Moss roses in cultivation. Any of above sorts each 30 cts., doz., \$3.00.

#### CLIMBING ROSES.

**BALTIMORE BELLE.**—Pale blush, shading to rose color; very double; flowers in beautiful clusters.

**GREVILLE, OR SEVEN SISTERS.**—Blooms in large clusters, with flowers varying from white to crimson. Perfectly hardy.

**RAIRIE QUEEN.**—Clear, bright carmine-pink, sometimes with a white stripe; large compact, and globular; very double and full; the best hardy climber in this climate.

Any of the above large-sized dormant roses, 30 cts. each, \$3.00 per doz., or a grand collection of one plant each of the 20 varieties above named for \$4.50.

#### CRIMSON RAMBLER ROSE.

Three Hundred Blooms on One Branch.

This rose has created a great sensation wherever shown. It has received no less than four gold medals and numerous first class certificates. It is of vigorous growth, making shoots from eight to ten feet in height, during a season, and is consequently a most desirable climbing variety. When the shoots are felled down or it is grown in a bush form, marvelous heads of bloom are the result. As a pot plant it is unequalled for decorative purposes. It is exceedingly hardy. The flowers with which the plant is covered in the spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. When cut in proper condition, the flowers will remain fresh water for two weeks. A gentleman in England writes about it thus under date of July 6th: "At this date this is a grand rose. On one shoot alone I count over three hundred blooms." Strong plants. Each 25c.

#### ROSA WICHURIANA.

This novelty from Japan is a trailing species of very rapid growth, making a closely matted bed of very dark green foliage. The flowers are produced in the greatest profusion in July, after the June roses are past, and more sparing throughout the season. They are single, pure white, with golden yellow stamens, from seven to nine inches in circumference, with a strong and sweet fragrance. Appropriate and enduring for cemetery use, not only when covered with its exquisite flowers, but also for its rich carpet effect up to the very last of the season. It is perfectly hardy. Each 20c.

#### MONTHLY TEA ROSES.

**CAROLINE TESTOUT.**—Large and double; color bright satiny pink, with rosy center; odorous, free flowering. Each 15c.

**MADAME JOSEPH SCHWARTZ.**—Extra large globular flowers, very full and deliciously sweet; color pure white, elegantly tinged and shaded with pale yellow and rosy blush; constant bloomer. Each 10c.

**DUCHESS OF ALBANY OR RE LA FRANCE.**—Sport from L. France; richness of color difficult to describe—a shade which our artist describes as "Tyrian rose," which is very rare. May be left in open ground all winter if covered with straw; if potted, will bloom all winter. Each 15c.

**SOUVENIR DE WOOTON.**—Color a beautiful shade of velvety crimson, equal to the noted General Jacqueminot, deliciously fragrant, constant and most prolific bloomer, and the full open flowers are frequently six inches in diameter. Has proved hardy in the open ground as far north as southern Iowa. Each 15c.

**HERMOSA.**—Always in bloom and always beautiful; the flower finely formed and full, the petals a shade of rose—yellowish deep; fragrant. Each 10c.

**QUEEN OF BEDDERS.**—The flower is large, full and regular in color, bright and glowing crimson; blooms constantly. Each 10c.

**MARIE GUILLOT.**—Perfection in form; flower is large and double in the center; white. Each 10c.



MOSS ROSE.



GENERAL JACQUEMINOT ROSE.

**MARY WASHINGTON ROSE.**

It is a historic fact that our revered first president, George Washington, raised in his garden at Mt. Vernon a seedling rose which proved to be a hardy, perpetual blooming climber, producing double snow-white blossoms in great profusion from June until frost. In this lovely rose our first president took special delight, and named it after his mother, Mary Washington. The original bush can yet be seen growing in the grounds where the world-famed master planted it in his garden at Mt. Vernon. No home is complete without one of these roses. Each 15c. Large, strong plants, each 25c.

**BEAUTIFUL FAIRY ROSES.**

These Polyantha roses are of marvelous grace and beauty. Something everyone can succeed with; sure to give satisfaction. They bloom in immense clusters, 25 to 50 together on a single stem. They are wonderfully beautiful, bloom constantly and as freely as a geranium, and require as little care. They are quite hardy, requiring but slight protection even in the north. Excellent for cemetery planting. We sell thousands of these, and purchasers are delighted.



MIGNONETTE ROSE.

**MIGNONETTE**—As the name would denote, this is deliciously scented: the flowers are blush or soft rose, borne in dense heads—we have had trusses with over 200 flowers and buds on at the same time. Each 10c.

**MINATURE**.—The smallest rose in cultivation; the flowers, which are only about the size of a silver dime, are produced in great profusion and are very double. It is a delicate rose color on opening, changing to pure white as the flowers expand. Each 10c.

**LITTLE WHITE PET**.—Very handsome; pure white, perfect shaped flower. A strong grower and profuse bloomer. Very hardy. Each 10c.

**PERLE D'OR**.—Color of the buds beautiful nankin yellow, with vivid orange center, each petal tipped white, changing to buff tinged rose in the open flower. Each 10c.

**CLOTHILDE SOUPERT**.—A decided novelty, and one which should be in the collection of every lover of roses. Very profuse bloomer; flowers large, very double; pure white, with rosy pink center; fragrant. Each 10c.

**PINK SOUPERT**.—A charming novelty, which we offer this year for the first time. Like Clothilde Soupert, only the flowers are a handsome rosy pink color all over, a peculiar shade, different from any other. A great bloomer and every one should try it. Each 20c.

**ROYAL PURPLE STROBILANTHE.**

A new house and bedding plant; was awarded the Gold medal offered by the King of Belgium at the Ghent exhibition. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long, 3 to 4 inches wide, and of the most intense metallic purple color, shading into light rose with a light green margin, a combination unapproached by any other plant. The flowers are a lovely violet-blue, very beautiful. It has created a veritable sensation wherever exhibited, and will be grown by the thousand as a bedding plant, while at the same time one of the most brilliant decorative plants in existence; for table ornament, parlor or greenhouse, nothing can equal it. Each 15c.

**PANSY GERANIUM.**

This variety, though not new, is one of great merit. The flowers are of medium size, and have a white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Each 25c.

**NEW DOUBLE GERANIUM.**

**REMARKABLE**.—As will be seen by our illustration, the habit of growth is dwarf and compact, making this variety one of the most desirable for pot culture. The novelty and merit, however, is principally in the perfect trusses of miniature rosebud florets, which are wonderfully attractive and pleasing. The color is the brightest possible scarlet crimson; the substance most lasting. A buttonhole bouquet of this variety will keep fresh longer than any other we

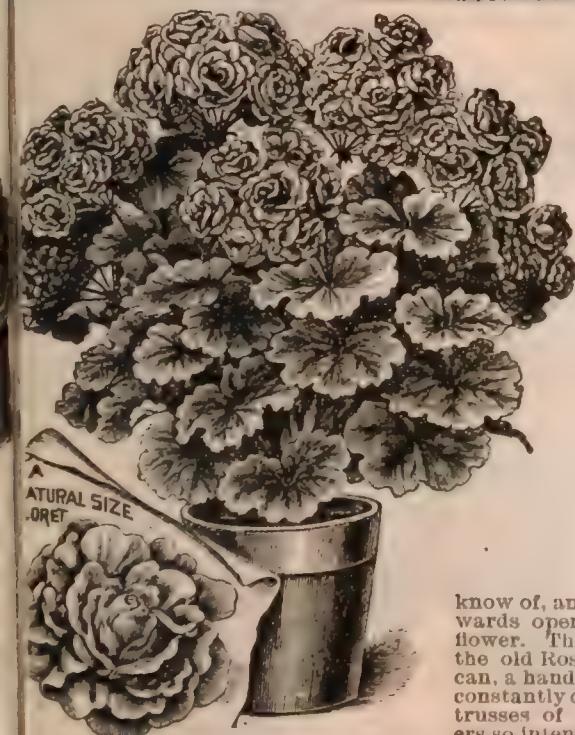
know of, and then it is entirely unique, afterwards opening to a very handsome bright flower. This should not be confounded with the old Rosebud geranium. Imagine, if you can, a handsomely formed, bushy little plant, constantly covered with perfectly proportioned trusses of exquisitely brilliant rosebud flowers so intense in color that they appear to vibrate. Of hardy, vigorous, healthy habit of growth. Each 15c.



MARY WASHINGTON ROSE.

**WATER HYACINTH**

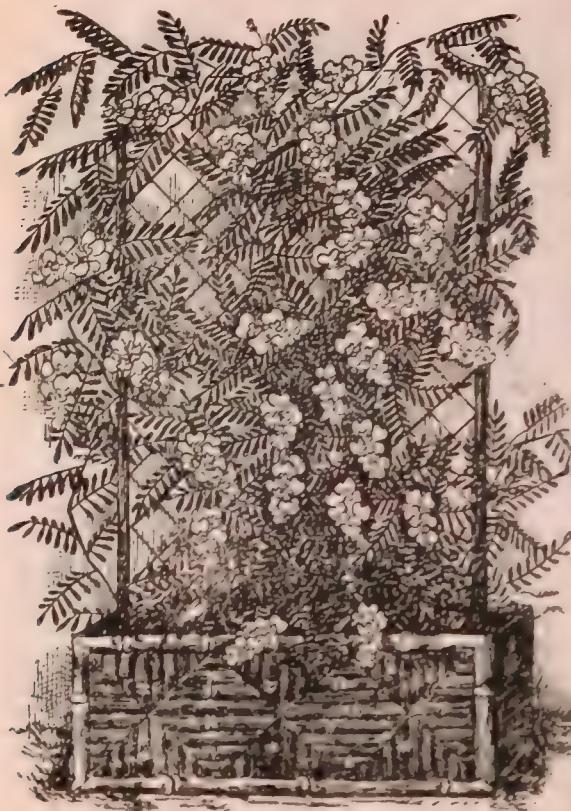
One of the most remarkable, curious and beautiful plants we have ever grown. Instead of growing in soil it bats in the water, which it enabled to do by means of curiously inflated leaf bladders, which resemble bladders or balloons, filled with air. A large mass of feathery roots grow downward, their ends entering into the soil. It forms a lovely rosette of its curious, shining green leaves, and throws up spikes the most exquisite flowers imaginable, resembling in form a spike of hyacinth bloom, but as beautiful as any of the choicest and most costly orchids. Each flower is as large or larger than a silver dollar; color, a beautiful, soft lilac rose, sparkling as if covered with moon dust. The upper part, which is the largest, is a large metallic blue patch, and in the center of it a small, deep, golden yellow spot. Each 15c.



REMARKABLE GERANIUM



PANSY GERANIUM



## SWAINSONIA.

protected spots in the garden. The *Swainsonia* belongs to the Leguminosae, and is a native of Australia. The habit of growth is extremely graceful, vines, trained up at the side of a window or on a trellis, present a lovely light-green, feathery foliage, and a splendid profusion of pure white, fairy-winged flowers, somewhat resembling Sweet Peas in form. Easily grown, and under favorable conditions it is almost a perennial bloomer. There is certainly no climbing vine for house or conservatory culture to-day that is more desirable than this one. New plant Strong plants, by mail, 15 cents each; 4 for 50 cents.

## SOUVENIR DE BONN ABUTILON.

This is entirely different from anything we have had before in the way of variegated Abutilons. It is a strong upright grower with large bright green foliage, distinctly edged with a broad band of creamy white and yellow. Flowers very large on stems 8 to 9 inches in length. Color bright orange red, very effective with its beautifully variegated foliage. It is one of the most distinct and showy ornamental foliage plants that has come to our notice in years, and when better known will be used in large quantities, for decorative purposes. Each 15c.

**SOLANUM JASMINOIDES  
GRANDIFLORUM.**

This beautiful plant is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star-shaped flowers, something like a clematis, and borne in large clusters or panicles frequently a foot across. They are in color a pure white with violet tinge on the back; it is equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of magnificent panicles of bloom. The bloom remains perfect for a long time before fading. Each lsc.

# CHALLENGE CHRYSANTHEMUM

Large variety; a perfect globe of the brightest gold depth and width being equal, a very strong stem and good foliage. This is a magnificent new sort which cannot fail to please the most fastidious, and will delight all flower lovers, as it is the greatest advance in yellow chrysanthemums that there has been for years. Plants are fairly loaded with flowers. We have grown a good stock and offer them at the low price of 10c each.

## JUPITER FUCHSIA.

A new giant flowered variety from France, which we offer for the first time. The flowers are of really mammoth size with very large rich violet-purple double corolla, often two inches or more in diameter. Tube and sepals bright crimson. Plant is a strong, hardy, free grower, which everyone can succeed with, and will attract attention everywhere. Each 15c.

## LITTLE BEAUTY FUCHSIA.

This is a charming variety and the freest flowering of all Fuchsias. It begins to bloom when only two or three inches high and continues to flower the year round, often one hundred open blossoms at one time on a single plant in a small pot. Flowers of good size. Tube and sepals bright red, corolla deep purple. Every lover of Fuchsias should have this little gem. Each 15c.

SWAINSONIA

We bring prominently before flower lovers this distinct climbing plant for house culture and to the Leguminosæ, and extremely graceful, and the present a lovely sight of pure white sprays of



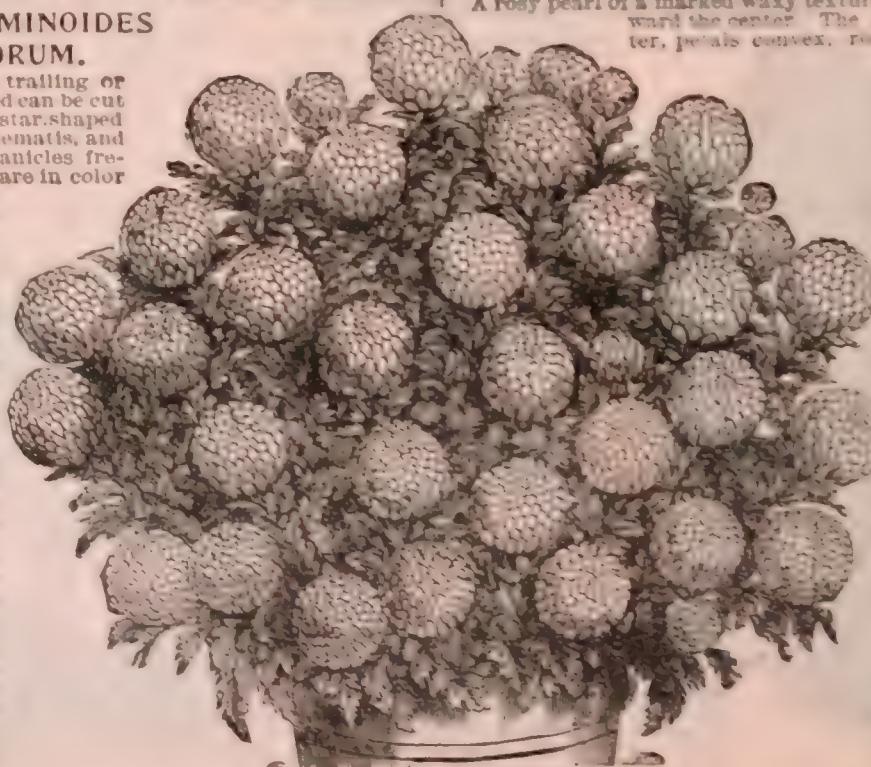
### JUPITOR FUCHSIA

## THE WONDER GERANIUM.

This new geranium will fit down in the box that has ever been offered, came from France. It will grow six inches, and is supposed to inherit from the scarlet geranium. At first, it bears so intense color, such a wonderful bloomer and strong grower that it was kept separate and styled the "W. Major," from the fact that everyone who saw it pronounced it to be the best. The flowers are the most intense dazzling scarlet, and are borne in trusses of enormous size, measuring 18 to 20 inches in circumference, with single flowers measuring inches in circumference. The foliage is fine and rich in color, and it stands up straight like a brilliant scarlet torch. As a pot plant or bedding geranium, it has no equal. Each box

## V. H. HALLOCK CHRYSANTHEMUM.

A rosy pearl of a marked waxy texture. The rosy color deepens toward the center. The flower is six inches in diameter, petals convex, rounded, upward, half the length of the stamens, exceeding in a few millimeters. In the center a slightly raised column, the top of which bears the most wonderful varieties. Length 2.



#### **CHALLENGE CHRYSANTHEMUM**

# YELLOW QUEEN CHRYSANTHEMUM

**CHRYSANTHEMUM**  
The finest very early variety ever introduced, having been cut the past two seasons in fine condition on the 10th of October. Very large, clear, bright yellow with extra strong stem and foliage; the plants averaging two feet in height. It is a good cut flower, and will bear cutting over and over again. A good variety for the market, as it is very popular in New York. The flowers are double, and the stems are very strong. Best as a garden plant.

EIDERDOWN  
CHRYSANTHEMUM

**CHRYSANTHEMUM** double, 1  
Large, 1  
cut, 1  
at a time, 1  
growing, 1  
Vine, 1  
1000 seeds, 1  
What is the best way to  
store them?

**PLANT ORDERS MUST AMOUNT TO AT LEAST FIFTY CENTS.**

**REDFIELD RASPBERRY.**

Decidedly the best fruit novelty of 1895, and we doubt if there will be any new variety of raspberries for several years to come which will be equal to it. It originated near the town of Redfield, Iowa, and was introduced and color-plated by us last spring. The berries are unusually large and luscious, somewhat similar to Shaffer's Colossal in color and shape, but there the resemblance ceases. The canes are very vigorous and unusually free from thorns or spines, being, in fact, quite smooth. The foliage is similar to the Turner, yet it propagates from the tips like the cap varieties. It throws up a great many branches of fruit from the old canes; and in our trial grounds, beside a great many old and new sorts, it yielded three to four times as much fruit as any of them. In fact, the field where they were grown was so red with fruit when viewed from a distance as to suggest the name Redfield, even had it originated in some other locality. But the crowning features of all are the unequalled flavor, which is superior to all others, and the fact that the berry is of unusually large size and holds together well instead of crumbling like the Shaffers. This holding of its shape is a grand point for market or canning, and will be appreciated by housewives. The canes do not grow as long as Shaffer's, but are lower and heavy and better able to stand hard storms. It is perfectly hardy, having never been injured in the slightest, even when the temperature went to 32° below zero. Don't fail to try it this year. Each 50c. postpaid, or 10 for \$4.00 by express.

**FORGET-ME-NOT.**

Every one loves the charming little Forget-me-not, and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom the first year by starting the seed early in the house and transplanting to the open ground the first of May, where they will continue to thrive and bloom year after year, being perennial and perfectly hardy, with only slight covering. Plants grow to 12 inches high and will thrive in most soils, though they prefer moist, sandy situations. Seed of mixed colors per pkt. 5c. Plants (see page 92) 10 cts, each 6 for 50 cents.

**THE HARDY CHINESE MATT-RIMONY VINE.**

Is a most vigorous hardy climbing plant. It sends out numerous side branches, so that it covers a great amount of space in a short time, and every new growth is at once covered with bright, purple flowers, which are succeeded by brilliant scarlet berries nearly an inch long, every branch being loaded with them; the contrast between the glossy dark green foliage and shining scarlet fruit is extremely beautiful. It continues flowering and new berries are forming from late spring until frost. Nice plants each 15c.

**SANSEVERIA.**

**ZELANICA.**—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped cross-wise with white. Flowers white. Each 25c.



REDFIELD RASPBERRY.

**SCARLET EGG PLANT.**

Closely resembling the edible purple Egg Plant in growth of plant and shape of fruit and well worthy of growing because of the handsome and unique color, which is of a most intense brilliant scarlet; glossy and apparently varnished. Will make an attractive novelty in any flower garden. Seed per pkt. 5c.

**STAPELIA.**

This is a genus of curious plants with showy star-shaped flowers; color buff yellow, with maroon markings. They attract much attention on account of the singular appearance of their flower and peculiar odor. From Cape of Good Hope. Pot in rather poor soil and water sparingly. Each 15c.



# 20 PLANTS

*Beautiful Everblooming*

PREPAID FOR \$1.00

That every flower lover in America may afford a collection of greenhouse plants we have grown these 20 kinds in large quantities so that we might afford to send this large number for the very low price. They are all choice plants suitable either for house culture or outdoor vases or bedding. They are not little slips, but good plants which we are sure will please you. Please remember that they are all to be our selection of varieties; we cannot allow you to select at this price. Many of these plants are choice high priced sorts, of which we have a surplus at time order is filled. 20 for \$1.00.

It Will Pay You to Send Your Orders to

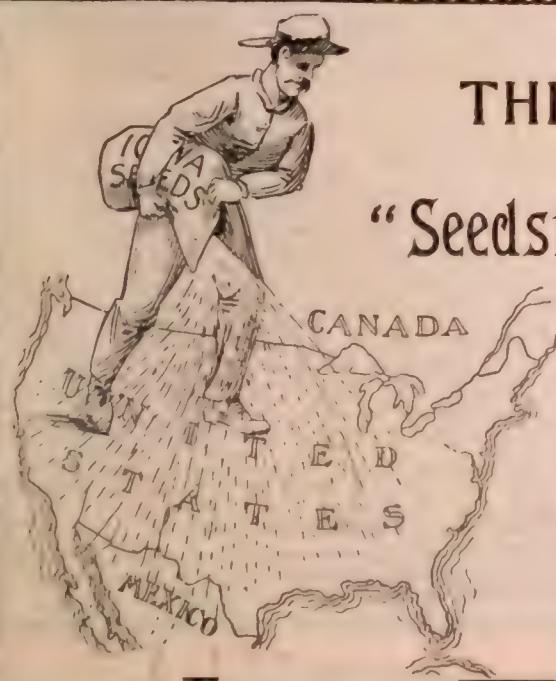
## THE IOWA SEED COMPANY,

. . . OF DES MOINES, . . .

**"Seedsmen to The American People."**

**WE COVER THE FIELD.**

and receive orders daily from almost every corner of the country. We have customers in every state and territory (Alaska not excepted). During the busy season the mail comes pouring in on us 1,000 to 1,800 letters and postals each day. This season we expect an increase in trade and are prepared to handle 2,000 orders per day. The people are learning that it pays to buy our **Choice Iowa Seeds**, because they are the best.



**Novelty of 1896.**

**Great \$1,000 Corn.**

# Iowa Silver Mine Corn.

**Best Corn Ever Introduced.**

The acme of perfection. Unsurpassed and unsurpassable. Is our opinion valuable? Why should it have a weight with you? Please consider—we claim to have filled more orders for field corn in 1895 than any three other seed firms in America. The reason that our seed corn trade is increasing so rapidly is that we have never sent out a bushel of corn which would not, under ordinary conditions, prove satisfactory and please the purchaser. If we were sold out of our best stock, we frankly said so and returned the money. Our customers have confidence in us, and when we tell them that in our opinion the **NEW IOWA SILVER MINE CORN** is the best and most profitable variety in the world for any farmer to grow, they will all want to test it. Don't fail to plant a few acres of it this year. It will pay you.



An average in size, and depth of grain in each ear.

## Why Plant White Corn?

Is the question you will ask at once. *It yields more.* The *American Corn and Hog Journal* gives a summary of the reports of 1,267 comparative tests of corn in the various State Experiment Stations with 489 varieties of corn, showing that the average yield of the 216 white varieties has been 2½ bushels per acre in excess of the yield of the 273 yellow varieties, and of the 31 varieties giving the best yield 24 were white and 7 were yellow. In feeding qualities a chemical analysis shows no difference between the white and yellow. The coloring matter in yellow corn will not fatten hogs. There is no doubt that white corn is more hardy and a better drouth resister. Millers will pay a higher price for white corn than for yellow.

**PRICE.**—Per  $\frac{1}{2}$  peck—Pkt. 1 lb. 10c. 25c. 3 lbs. 60c. 7 lbs. \$1.00. By Freight— $\frac{1}{2}$  pk. 6c. pk. \$1.00.  $\frac{1}{2}$  bu. \$1.75. bu. \$3.00. 2 bu. \$5.00.

**\$500.00 IN PRIZES!**

For Best Acre of Corn.  
Competition Open to All.

## YOUR CHOICE OF 23 VARIETIES.

Any one purchasing one-half peck or more of any variety, direct from us, can compete.

**\$100.00 IN CASH**—For largest crop of corn grown on one acre, of any variety. (Iowa Silver Mine can compete.)

**\$50.00 Additional Prize** in seed, your selection (except clover and grass seed) provided above crop exceeds 200 bushels per acre.

**\$100.00 IN CASH**—For largest yield from one acre of Iowa Silver Mine Corn.

**\$100.00 Additional prize** in seeds, plants, nursery stock or implements, your selection from our catalogue, provided the yield of Iowa Silver Mine is over 200 bushels per acre.

### OTHER PRIZES.

If you don't win first prize you may receive the second or some of the other special prizes offered below. They are worth trying for. Any of our twenty-three varieties of corn may compete for these prizes.

**2nd PRIZE.**—Deere Steel Frame Check Rower, Drill and Corn Planter; price, \$45.00. Offered by Deere & Mansur Co., Moline, Ill.

**3rd PRIZE.**—Daisy Corn Harvester; price \$25.00. Offered by Randall, Selby & Bell, Des Moines, Iowa.

**4th PRIZE.**—Parlin, Jr., Cultivator; price, \$22.75. Offered by Parlin & Orendorf Co., Canton, Ill.

**5th PRIZE.**—Acme Pulverizing Harrow, Clod Crusher and Leveler; latest improved; price, \$15.00.—Offered by Duane H. Nash, Millington, N. J.

**6th PRIZE.**—Burrall Corn Sheller; price, \$8.00. Offered by Rumsey & Co., Seneca Falls, N. Y.

**7th PRIZE.**—Iron Age Five Tooth Cultivator; price \$6.00. Offered by Bateman Mfg. Co., Greenloch, N. J.

**8th PRIZE.**—Parlin Garden Plow; price, \$5.00. Offered by Parlin & Orendorf Co., Canton, Ill.

**9th PRIZE.**—Batcheller Hand Corn Planter; price, \$2.00. Offered by H. F. Batcheller & Son, Rock Falls, Ill.

**SPECIAL PRIZE.**—Avery "Corn King" Planter; price, \$45.00. Offered by Avery Planter Co., Peoria, Ill., to the person raising the most corn from an acre planted with one of their make of planters with seed from the Iowa Seed Co.

It is possible for one acre of Iowa Silver Mine Corn to win \$25.00 of the above premiums. A yield of 200 bushels is not out of question as some might think. In the great corn prize contest in 1889 of the *American Agriculturist* (see report, Vol. 49, page 123) the White Gourd Seed Corn yielded 248½ bushels in ear, or 255 bushels shelled, and the Clark's Mastodon yielded 213 bushels shelled per acre.

### Are We Responsible? Will Prizes be Paid?

Many who receive this book are not acquainted with us and we will refer them, by permission, to the Valley National Bank, of this city, as to our responsibility.

### WHAT THIS PRIZE AMOUNTS TO.

Let us figure it up for you. If you secure a yield of over 200 bushels of Iowa Silver Mine and win the prize.

The cash prizes are.....	\$200.00
In seeds, etc.....	150.00
1st. place in competition.....	45.00

The second and third place winners will receive \$100.00 and \$50.00 respectively. If the prize winner wants to sell his crop to other farmers—call it \$300.00—or we will buy the crop of the winner at a reasonable price.

The farmer who wins the prize will earn the reputation of being the best corn grower in America, or in the world, and that should be worth as much to him as the best 40-acre farm in Iowa.

There are no blanks in this contest. For \$1.00 you receive sufficient seed corn to plant one acre, charged prepaid to your town. Under favorable conditions this will yield 100 bushels of corn which you can readily sell to your neighbors for seed at not less than \$1.50 per bushel.

### THIS MEANS \$150.00 FROM \$1.00.

This is better interest than any banker ever thought of making, even if you do not win a prize. Many of our customers who bought Iowa Gold Mine corn from us have sold sufficient seed to their neighbors to net them \$100.00 to \$1,000.00 each above the selling price of our corn. You will have a better chance to do so with the **IOWA SILVER MINE**, as we are spending thousands of dollars advertising it in every prominent agricultural paper in America, and you will reap the benefit.

### CONDITIONS OF PRIZE CONTEST.

The seed to grow the prize corn must be purchased from us. Every one purchasing  $\frac{1}{2}$  peck or more of seed corn of any variety direct from us will receive a certificate with it entitling them to compete for the prize. You can plant one acre only, but we believe that it would pay you better to plant a larger field and then select the best acre at time of harvest. The competing acre must be all in one field and not divided. Use your own judgment as to time and manner of planting. Use any kind of land and fertilize and cultivate as you please. In the fall measure the acre of land, and cut one or more rows of the other corn stalks away from around it, so as to entirely separate it. An acre of land contains 43,560 square feet. The ground must be measured and the corn gathered and weighed in the presence of two witnesses not financially interested in the result, who will sign statement. Registration must reach us by November 15, 1896. Corn to be weighed any time after November 1st. 70 pounds of husked ears to the bushel. If weighed before November 1st. 75 pounds are to be allowed to the bushel.

### Just Think of It!

We will furnish you sufficient seed for one acre (7 pounds) of twenty-three different kinds of corn for \$7.00. Try all kinds and select the best for future planting.

ECONOMY  
In · The · Garden.

\$1.00  
COLLECTION  
— OF —

BARGAINS  
In Garden Seeds.

# The Best Garden Vegetables.

THIRTY-FIVE VARIETIES!

ALL GOOD DESIRABLE SORTS. SURE TO PLEASE YOU.

Consists of ONE FULL SIZED PACKET EACH OF Improved Golden Wax Beans, Old Homestead Pole Beans, Market Gardeners' Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Short Stem Drumhead Cabbage, Oxheart Carrot, Early Sunrise Corn, Golden Self-Blanching Celery, Country Gentleman Corn, Perfect White Spine Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Page's Striped Rice Pop Corn, Iceberg Lettuce, Improved Hanson Lettuce, I. S. Co.'s Improved Green Nutmeg Musk Melon, Duke Jones Watermelon, Large Red Wethersfield Onion, Mammoth Prizetaker Onion, Nott's Excelsior Peas, Non Plus Ultra Radish, Perpetual White Summer Radish, Improved Table Guernsey Parsnip, Ruby King Pepper, Sibley Squash, Long Standing Spinach, Mammoth Sandwich Island Salsify, Market Gardener's Parsley, Early Minnesota Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Vine Peach.

Total 35 full sized packets sent postpaid for \$1.00: at regular catalogue price they amount to \$2.05.

**NOTICE.**—These collections are all put up ready for mailing before our busy season begins and therefore cannot be changed or divided.

**It is a Bargain! Can One Dollar be Better Invested?**

**CHILDREN'S COLLECTION.** To encourage the children and induce them to begin having a garden "all their very own," we offer this collection, consisting of one packet each of Beet, Cucumber, Lettuce, Radish, Onion, Pop Corn, and Sunflower. In all seven full sized packets postpaid for ONLY FIFTEEN CENTS.

## Flowers for Everybody! PRICE VERY LOW . . . . NO TROUBLE TO SELECT.

THESE COLLECTIONS CANNOT BE CHANGED OR DIVIDED.

40 for \$1.00

Complete  
Garden

COLLECTION.

OUR 10 CENT  
TRIAL COLLECTION.

Consists of one full sized packet each of Ageratum, Mexicanum, Aster, all kinds mixed, Alyssum, Snapdragons, mixed colors, Balsam, choice mixed, Calliopsis, Golden Wave, Candytuft, best mixed, Chrysanthemum, mixed varieties, Morning Glory, Improved, Dianthus, all kinds mixed, Geranium, Heliotrope, Larkspur, Ice Plant, Mignonette, Machet, Nasturtium, Imperial, Petunia, Fine Mixed, Portulaca, Grandiflora, Pansy, Iowa Beauty, Poppy all kinds mixed, Phlox, Grandiflora mixed, Ricinus, Sensitive Plant, Salpiglossis, Varieined, Sweet Peas, Perfected Mixed, Sweet William, Scabiosa, Stocks, Dwarf German Mixed, Verbena, Choice Mixed, Zinnia, Fine Double Mixed, Canary Bird Flower, Grass Pink, Canna, Crozy Mixed, Godetia, Cockcomb, Marvel of Peru, Calendula, Hollyhock, Eschscholtzia, Cypress Vine, and Gailardia. Total 40 packets for \$1.00.

Consists of one packet each of Balsam, Candytuft, Pinks, Mignonette, Pansy and Sweet Peas.

20 FOR 50c.

POPULAR  
COLLECTION.

10 FOR 50c.

GEM  
COLLECTION.

12 FOR 25c.

BARGAIN  
COLLECTION.

Consists of one packet each of Sweet Alyssum, Aster, Balsam, Candytuft, Dianthus, Convolvulus, Cypress Vine, Canna, Cocksecomb, Larkspur, Ice Plant, Mignonette, Nasturtium, Petunia, Pansy, Poppy, Phlox, Sweet Peas, Sunflower and Zinnia. Total 20 packets for 50 cents.

Consists of one packet each of the following novelties: Aster, Royal Mixed; Centaurea, Marguerite; Datura, Cornucopia; California, Yellow Bells; Cockscmb, Golden Glow; Dianthus, Fireball; Pansy, International; Larkspur, American Banner; Nasturtium, Gay and Festive, and Cupid Sweet Peas.

Consists of one packet each of Petunia, Cypress Vine, Eschscholtzia, Balsam, Phlox, Aster, Pink, Pansy, Mignonette, Sweet Pea, Zinnia and Verbena.

**YOUR ATTENTION, PLEASE!** We want to make these collections popular with our customers, and can assure you, all the varieties named in them are desirable, and the seeds are just as fresh, pure and good as any ever offered. The varieties in the different collections do not duplicate with each other. **AN EXTRA.**—In addition to the sorts named we will send free with each collection one packet of some desirable new variety which is not listed in our catalog this year.

**A LARGE GARDEN.** Anyone ordering all of the above seven collections may have them for \$3.00, and they will receive 44 packets of Vegetable Seeds and 93 packets of Flower Seeds, or a total of 137 packets of seed all different.

# BEANS.--Dwarf Bush Varieties.

*One quart will plant one hundred feet of drill.*

Dwarf or Bush beans require no support, and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals, and cannot be planted till danger of frost is past. Keep clean, but do not hill up or hoe when wet. A sandy loam is the best. The half-pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Crop was almost a failure on many varieties of beans this year. Price includes postage. See special prices by the peck and bushel on page 47.

**JACKSON WONDER LIMA.**—A dwarf variety growing from 18 to 30 inches high, immensely productive and very early. Pods broad and flat containing three or four beautiful variegated flat beans, similar in shape to the well known Lima, and in the dry state as shell beans can be used the same as the Lima, but when the pods are young they make excellent snap beans. It is not waxy, hence cooks easily and quickly, in fact fills all the requirements for a good garden variety as well as a field sort. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

**BURPEE'S BUSH LIMA.**—A dwarf or bush form of the true large Lima which is of great value. There is no reason now why western farmers should not raise all the Lima beans they require for their own use as well as for sale. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yielder, each bush bearing 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Try it. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

**DREER'S BUSH LIMA.**—A dwarf growing form of the old Dreer's Lima or Potato Lima, which was quite popular a few years ago. It is also called Kumerle's Bush Lima. Compared with the Henderson's, this bean in its green state is fully double as large and yields abundantly. One plant sent in had 185 pods on. Does better on dry, sandy soil owing to its heavy foliage. Is of the best flavor. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

**HENDERSON'S BUSH LIMA.**—Another year adds to our high opinion of this really remarkable variety. It grows in compact bush form and produces enormous crops of delicious Lima beans which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas, produces a continuous crop from the time it comes into bearing fit for table in this latitude by about July 15 until frost. Enormously productive; a very small patch will supply a family with this splendid vegetable throughout the season. Pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.



**BLUE-PODDED BUTTER.**—This is one of the most remarkable and strikingly odd novelties in beans ever introduced. The compact, bushy plants grow only twelve inches high and bear abundantly. The leaves and stems are of a bright purple color, which becomes more intense as the season advances and form, when covered with the pinkish-purple flowers and rich deep-blue pods, a most showy, blackish-purple bush. The entire pods cook a rich green, are very tender, stringless, and of a rich delicious flavor. Supply of seed very short. Per pkt. 10c.

**SCARLET RUNNER.**—This is a pole or climbing variety, but we want to call special attention to it here as its sale should be widely extended. It has highly ornamental foliage, and beautiful blossoms and pods, which are fit for wear as corsage bouquets when small. It is a prime favorite with all who are acquainted with its merits, but it is, comparatively speaking, so little known that we give it prominence, knowing as we do that everyone who tries it will be delighted. It is not only exceedingly ornamental, but of the highest usefulness, as the beans, which are very large are of the very best flavor and quality, and no bean excels the Scarlet Runner for use as a shelled or dried bean. It is richer than the Lima. The vine is so graceful and of such rapid growth as to render it one of the best for arbors, etc. The flowers are in color a brilliant scarlet, and are borne very profusely until frost comes. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 70c.

Burpee's Bush Lima bean was a grand success with me this year. They are early and have a well filled pod.

JOHN P. NELSON,  
Onawa, Iowa



BURPEE'S BUSH LIMA.



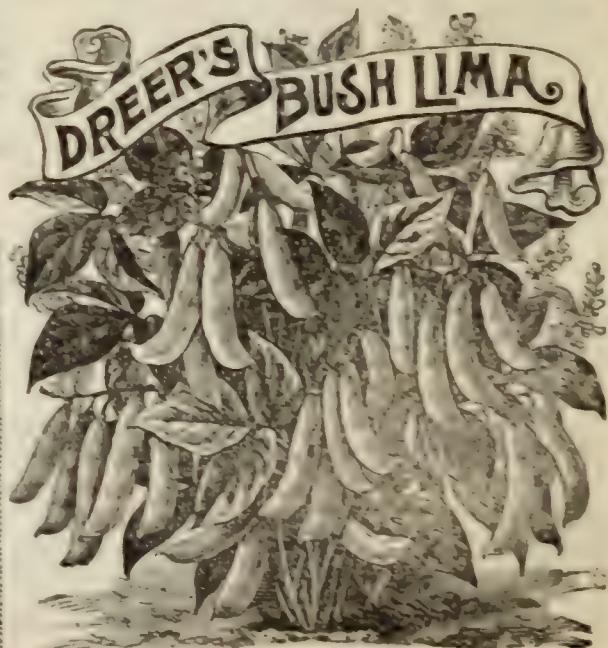
HENDERSON'S DWARF LIMA.

...4..  
Bush Limas:

BURPEE'S,  
HENDERSON'S,  
DREER'S, AND  
JACKSON WONDER.

ONE PACKET OF EACH  
FOR ONLY

25 Cents.



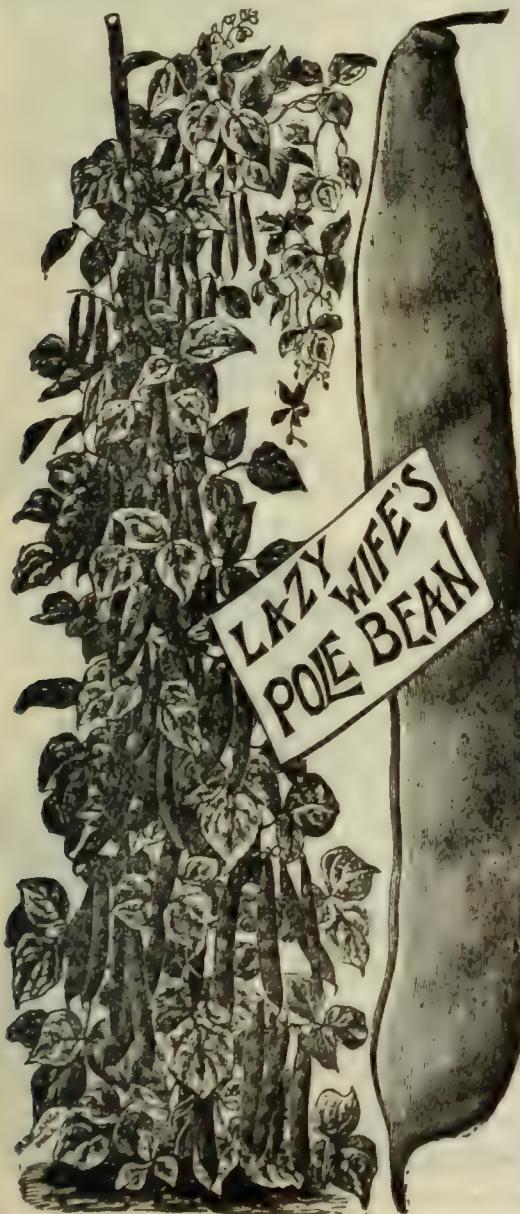


**WARDWELL'S**  
**KIDNEY-WAX-BEAN.**  
**HARDEST AND MOST PRODUCTIVE.**

**EARLY REFUGEE, OR THOUSAND TO ONE.**  
Most prolific green podded sort, thick and fleshy.  
Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 35c.

**LARGE WHITE MARROW.**—Excellent as a shelled bean; cooks in twenty minutes. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 35c.

**DWARF HORTICULTURAL.**—Has all the good qualities of the old Horticultural Pole and is much easier to cultivate, because of being a dwarf variety. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 60c.



**LAZY WIFE'S  
POLE BEAN**

### Remember

We pay the postage on beans  
at these prices. . . .

### Deduct 15 Cts.

On each quart if to be sent  
by express. . . .

*The Lazy Wife's bean is the best we have ever tried. All other seeds were good.*

*JAMES L. BIRCHARD,  
Griggsville, Ill.*

## POLE BEANS.

*One quart will plant 100 to 150 hills.*

These succeed best on clay loams, which should be liberally enriched with short manure in the hills, which are formed according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep. After planting all beans be sure and firm the ground, either with feet or roller.

**LAZY WIFE'S.**—The very best late green-podded pole bean. The pods are of a medium dark green color, broad, thick, very fleshy, and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe, and at all stages are unsurpassed for snap shorts, being peculiarly luscious. Each pod contains from six to eight round, white beans, which make excellent winter shell beans. They have also yielded well planted among corn. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 70c.

**KING OF THE GARDEN LIMA.**—While the dried beans are about the same size as the common large Lima; the green beans are of unusual size. The pods are very long, and frequently contain four to six very large beans. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 55c.

**LARGE WHITE LIMA.**—Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

**SCARLET RUNNER.**—A favorite snap bean in Europe, valuable for table use or as an ornamental vine. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 70c.

**CUT SHORTS.**—The old-fashioned corn-field bean, which is so popular and often so difficult to obtain. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

**WHITE DUTCH CASE KNIFE.**—Good green-podded variety. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

**YARD LONG.**—A great curiosity, and withal a bean of excellent quality. Pods three feet long and highly ornamental. Tender and of asparagus flavor. Pkt. 10c.

**WARDWELL'S DWARF KIDNEY WAX.**—Earlier, better, more productive, than Golden Wax; rust-proof, vigorous, pods large, showy, tender and stringless, excellent flavor and good either for snap or shell. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**IMPROVED GOLDEN WAX.**—Possesses all the good points of the old Golden Wax, but is larger in pod and much more prolific. This improved stock is one of the handsomest beans we have ever seen, pods of dark, rich, golden yellow color and of perfect shape. It is of good quality, showing no string or coarseness, but is of tender, melting flavor at all stages of its growth. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

**CURRIE'S RUST-PROOF WAX.**—It is positively rust-proof. While grown side by side for several years with other Wax beans, all of them more or less affected many of them completely ruined by rust, this bean has remained entirely free from it. Exceedingly crisp and tender, and of a most delicious flavor. As early as the Golden Wax, and it is, moreover, amazingly productive. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 60c.

**WHITE WAX.**—Pods waxy, yellow, very tender. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**BLACK WAX.**—One of the most popular varieties with all market gardeners. Pods fleshy, waxy yellow, tender. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**EARLY MOHAWK.**—Very early and will stand more cold weather than most bush varieties. For this reason it is desirable for early planting. It is an old variety of established reputation. Pods five to six inches long. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 35c.

**YOSEMITE MAMMOTH WAX.**—Pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color and are absolutely stringless, cooking tender and delicious. This is the Wax bean for family or market purposes. It is enormously productive, as many as 50 of its monster pods having been counted on one bush. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 70c.

## YOSEMITE MAMMOTH

*One-half of a pod, showing size and fleshy thickness of this monster Wax beans.*

**IMPROVED EARLY VALENTINE.**—About ten days earlier than the common Early Valentine. In addition to this, it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within thirty-five days from time of planting. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.

**CALIFORNIA BRANCH, OR PROLIFIC TREE.**—This is quite a valuable variety for field culture; grows about twenty inches high, has stiff, upright branches, and bears immensely, sometimes yields forty-five bushels to the acre. The beans closely resemble the White Navy. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.



**IMPROVED VALENTINE.**

## BEETS.

*One ounce sows 50 feet of drill; 4 to 6 pounds for one acre.*

For early, sow as soon as the ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.

**IOWA SEED CO.'S MARKET GARDENERS' BEET.**—Undoubtedly one of the best novelties ever introduced, and it receives much praise from our customers each year. Its shape is well shown by the accompanying engraving. It is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for winter. By the first of October they measure eight inches in diameter and average six pounds each in weight. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for early market, and the best beet for winter use. Owing to the small tops, permitting them to be grown close together, and the peculiar shape of the bulb, it is the most profitable beet for the market gardener and for the family garden of any we know of. Mr. E. S. Goff of the Geneva Station, says: *I consider it the best general purpose beet in cultivation.* Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**KETTLE GARDENER AND FOR THE FAMILY GARDEN OF ANY WE KNOW OF.**—It is a short, conical variety, of large size and quick growth. Wm. Henry Maule says: *I consider it the best general purpose beet in cultivation.* Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**CROSBY'S IMPROVED EGYPTIAN.**—We believe this to be the earliest variety in existence. It was originated by Josiah Crosby, a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer, and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small thus making a good beet for bunching, and is very popular with the Des Moines market gardeners for this purpose. Try it, and we know you will be pleased. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EXTRA EARLY ECLIPSE.**—Remarkable for its wonderfully rapid growth, the smallness of top, and extra fine quality, and is about as early as the Egyptian. Roots smooth, round, intense blood-red skin and flesh, fine grained and sweet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. 65c.



CROSBY'S IMPROVED EGYPTIAN.



DEWING'S IMPROVED.

**EGYPTIAN TURNIP.**—Very deep red, tender and delicious. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**DEWING'S IMPROVED BLOOD TURNIP.**—An improvement on the old Early Blood Turnip. Shape is well shown by our illustration: deep blood-red color, fine form and flavor, desirable for main crop; good keeper. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**BASTIAN'S EXTRA EARLY RED.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**EXTRA LONG DARK BLOOD.**—Standard winter; smooth, tender and sweet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**SWISS CHARD.**—For greens only. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

Your Choice Iowa Seeds have proven very satisfactory, especially the Crosby's Egyptian Beet and Snowball Cauliflower. Hope to always patronize you in the future.  
CORNELIUS DONATO, Upelousas, La.

## CAULIFLOWER.

*One ounce will produce about 3,000 plants.*

This is acknowledged by all to be one of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are very similar; but as the product is more valuable, extra manuring and preparation of the soil will be well repaid. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear, the large leaves should be broken down over them to shield them from the sun or rain. Our stock of seed is the best obtainable. Don't fail to try it. These are the very best varieties.

**HENDERSON'S EARLY SNOWBALL.**—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Dr. E. L. Sturtevant says that this variety stands at the head in his test of thirty-eight kinds, forming first head in ninety-seven days, and above the average in size. Our stock is extra choice and cannot be excelled. It is grown in the locality where this variety originated by a grower whom we believe to be the best in the world. Per pkt. 20c,  $\frac{1}{4}$  oz. 75c, oz. 2.50.

**EXTRA EARLY DWARF ERFURT.**—Valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Per pkt. 10c,  $\frac{1}{4}$  oz. 80c, oz. \$2.00.

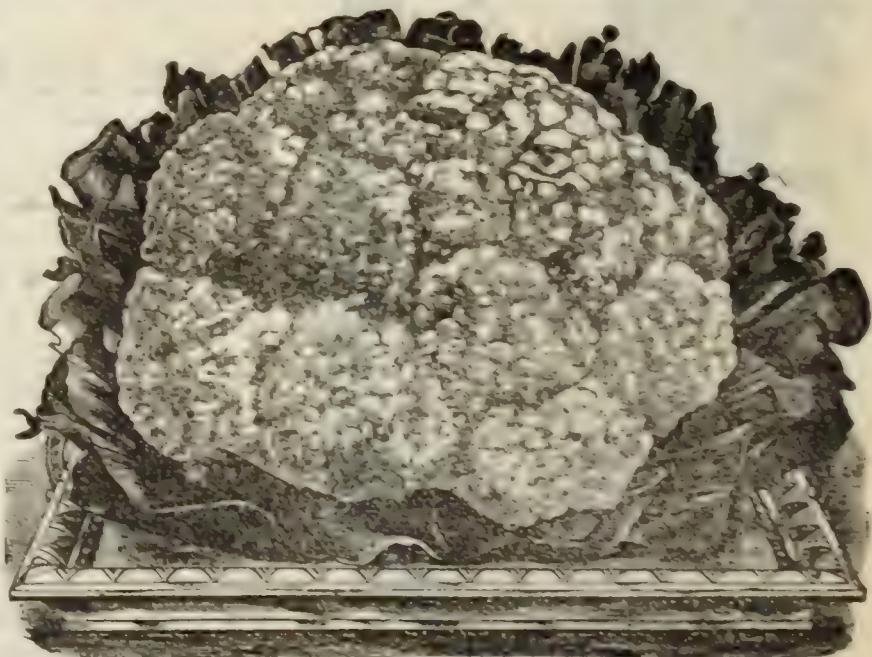
**EARLY PARIS.**—Well known. Per pkt. 10c, oz. 50c.

**LENORMAND'S.**—There is considerable call in this market for a late variety of cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Per pkt. 10c, oz. 75c.

**CAULIFLOWER PLANTS.**—See list Vegetable Plants

### SIZE OF ORDER.

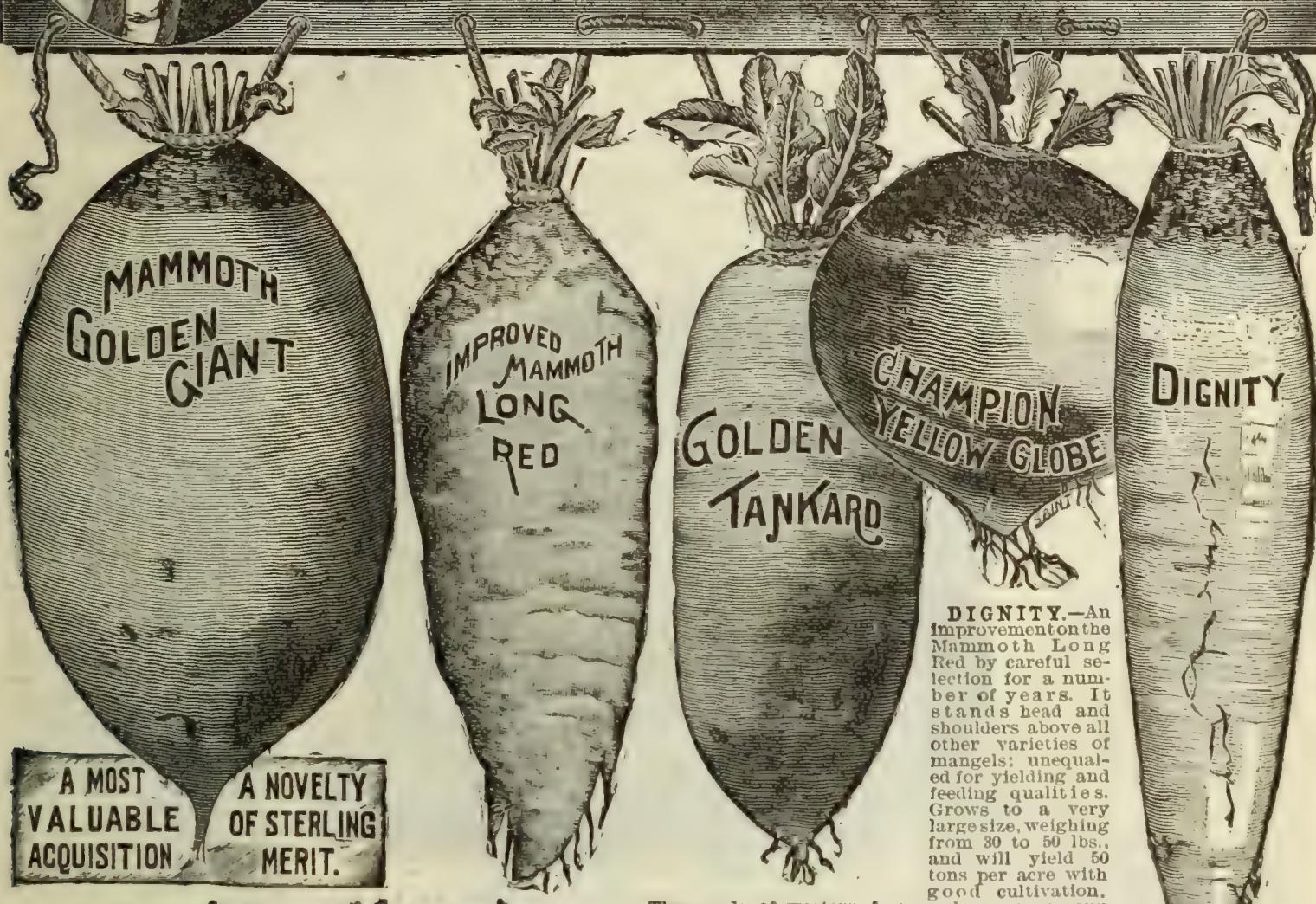
Order just what you want, even if only a single packet. We believe, however, that if you look carefully through our list you will find many that you want. You can select either flower or vegetable seeds in packets amounting to \$1.25 for only \$1.



HENDERSON'S EARLY SNOWBALL.

# MANGEL & SUGAR BEETS FOR STOCK.

Extensively grown in all parts of the country for feeding stock. Sow in April or May, in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer or stock raiser better than mangels: 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. These make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Careful analysis has demonstrated that 400 lbs. of mangels are equal to 100 lbs. of hay. Use 5 lbs. seed to an acre.



A MOST  
VALUABLE  
ACQUISITION

A NOVELTY  
OF STERLING  
MERIT.



## Sugar Beets.

**VILMORIN'S IMPROVED SUGAR.**—Yields the largest percentage of sugar. Best of the French sugar beets. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**DIAMOND SUGAR.**—Grown in Germany from beets which tested 18 to 20 per cent of sugar. Best of German varieties; shape well shown by cut. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**LANE'S IMPERIAL SUGAR.**—For feeding stock. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c.

Thousands of western farmers have grown our Dignity mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try the Dignity. It is very uniform, smooth, and of good shape. Should be grown on deep, loose soil. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c. By express, not prepaid, 5 lbs. \$1.75, 10 lbs. \$3.00.

**MAMMOTH GOLDEN GIANT.**—An improvement on all other yellow mangels, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. In short, a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c. By express, 5 lbs. \$2.25, 10 lbs. \$3.75.

**MAMMOTH LONG RED.**—Very popular sort. Grows to an immense size and has produced sixty-five tons to the acre. Shape is well shown by our illustration. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c. By express, 5 lbs. \$1.75, 10 lbs. \$2.75.

**GOLDEN TANKARD.**—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for on account of its shape the roots can be left standing close in rows. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.50.

**CHAMPION YELLOW GLOBE.**—(Kinver)—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained, renders it an excellent keeping variety. Well adapted to shallow soils. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.25.

**RED GLOBE.**—Like the above except color. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.25.

**Collection of Mangels.** One ounce each of the above six varieties for 30c,  $\frac{1}{4}$  lb. of each for 90c, 1 lb. of each for \$2.75, postpaid, or \$2.25 by express.

**This Year** Mangel seed is scarce, owing to short crop, but price is not high and it will pay you to put in an acre. Five pounds will be sufficient. You may select one pound each of five sorts at the 5-lb. rate.



**NEW EXTRA EARLY EXPRESS.**—Excels in earliness all other sorts, has the shape and appearance of Etampes, but is smaller and eight to ten days earlier; has but a few outside leaves, and therefore may be planted very close and yield large crops. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**BURPEE'S ALL-HEAD EARLY.**—Our test the past season proved this to be the earliest of all large cabbages, being at least a week earlier than any of the various strains of early summer cabbages, and fully one-third larger. Market gardeners to whom we furnished seed of this for testing were greatly pleased with it, and the cabbages took first premium at the State Fair, and attracted much attention for perfect shape and solidity. Originated with C. L. Allen, who has grown cabbage seed for us for several years, but our competitor, Mr. Burpee, was fortunate in securing the entire stock of it the first year of its introduction, and gave it his name. However, we can most heartily recommend it to our customers. Set plants 18 inches apart in the row, rows 3 feet apart, and 9,600 plants can be set on one acre. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$2.50.

**CHASE'S EXCELSIOR.**—Medium early and not excelled for sure, solid heading, which is the highest recommendation for a cabbage which must mature in the trying heat of summer. Another remarkable feature is that it never cracks. Planted the first of July it is an excellent winter variety. Very popular with our southern customers. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**FINE RED PICKLING.**—

oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25.

**SUREHEAD.**—Very reliable in heading, good shape and large size. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**VANDERGAW.**—This new cabbage was procured at ten dollars per pound from a famous Long Island market gardener, whose name it bears. Mr. Vandergaw has been selecting this variety for many years and has sold the seed annually to neighboring growers of cabbage as high as \$20 per pound, and never less than \$10 per pound. The Vandergaw forms large, solid heads, much larger than Early Summer, and almost as early, while if planted later it makes excellent heads for winter. The quality is very fine, and it is remarkable for its certainty to head. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$2.50.

**STONE MASON DRUMHEAD.**—Very reliable compact heading, fall and winter variety. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**FAULTLESS.**—This exceptionally fine new variety, which was introduced by us originated with the well known C. L. Allen, who grows more cabbage seed than any other person in America. In writing us about it, Mr. Allen says: "It is of the early summer type, but far more regular and uniform in time of maturing. It is a rapid grower; have cut heads for market in 40 days after the setting of plants. Has a vigorous constitution, does not drop its leaves quickly, and is a good keeper. By sowing the seed July 1, perfectly solid heads will be formed by the time of trenching for winter." Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**CABBAGE PLANTS.**—See list of Vegetable Plants.

## CABBAGE.

We pride ourselves on having the best, purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. Compared with the cost of seed, there is more money in growing cabbage than any other crop and there is nothing which growers should be more particular about. It is of the utmost importance that you should have the best grade of cabbage seed. Each year we select the soundest and most perfect shaped heads from which to grow our seed, and save it from the center stem as experience has proved this to be the best.

The cabbage requires a deep rich soil, and thorough working to insure good solid, full-sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant into richly manured ground, the early kinds two feet apart, the fall and winter varieties three feet apart. One ounce of seed will produce about 3,000 plants. Set 8,000 to 10,000 plants to the acre of the early sorts and 6,000 of the large late kinds.

### EARLY JERSEY

**WAKEFIELD.**—Considered by many gardeners the very best first early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. American grown seed. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**VERY EARLY ETAMPES.**—Medium-sized pointed heads, always hard and solid, and of fine quality. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**EXTRA EARLY YORK.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.25.

**WINNINGSTADT.**—Cone-shaped summer sort; if sown late, good for fall and even winter; a sure header and good keeper. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**HENDERSON'S EARLY SUMMER.**—Ten or twelve days later than the Jersey Wakefield, but much larger in size, and will stand on the ground much longer without bursting open. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**ALL SEASONS.**—This most excellent variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is very reliable for heading and of superior quality. It is called "All Seasons" because it is very suitable for early to plant late as well as early; the hardness of the heads making it a capital sort to keep through the winter. All should give this excellent cabbage a trial. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.50.



Deep red color, medium size, solid; unsurpassed for pickling. Per pkt. 5c,

oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25.

**VANDERGAW.**—This new cabbage was procured at ten dollars per pound from a famous Long Island market gardener, whose name it bears. Mr. Vandergaw has been selecting this variety for many years and has sold the seed annually to neighboring growers of cabbage as high as \$20 per pound, and never less than \$10 per pound. The Vandergaw forms large, solid heads, much larger than Early Summer, and almost as early, while if planted later it makes excellent heads for winter. The quality is very fine, and it is remarkable for its certainty to head. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$2.50.

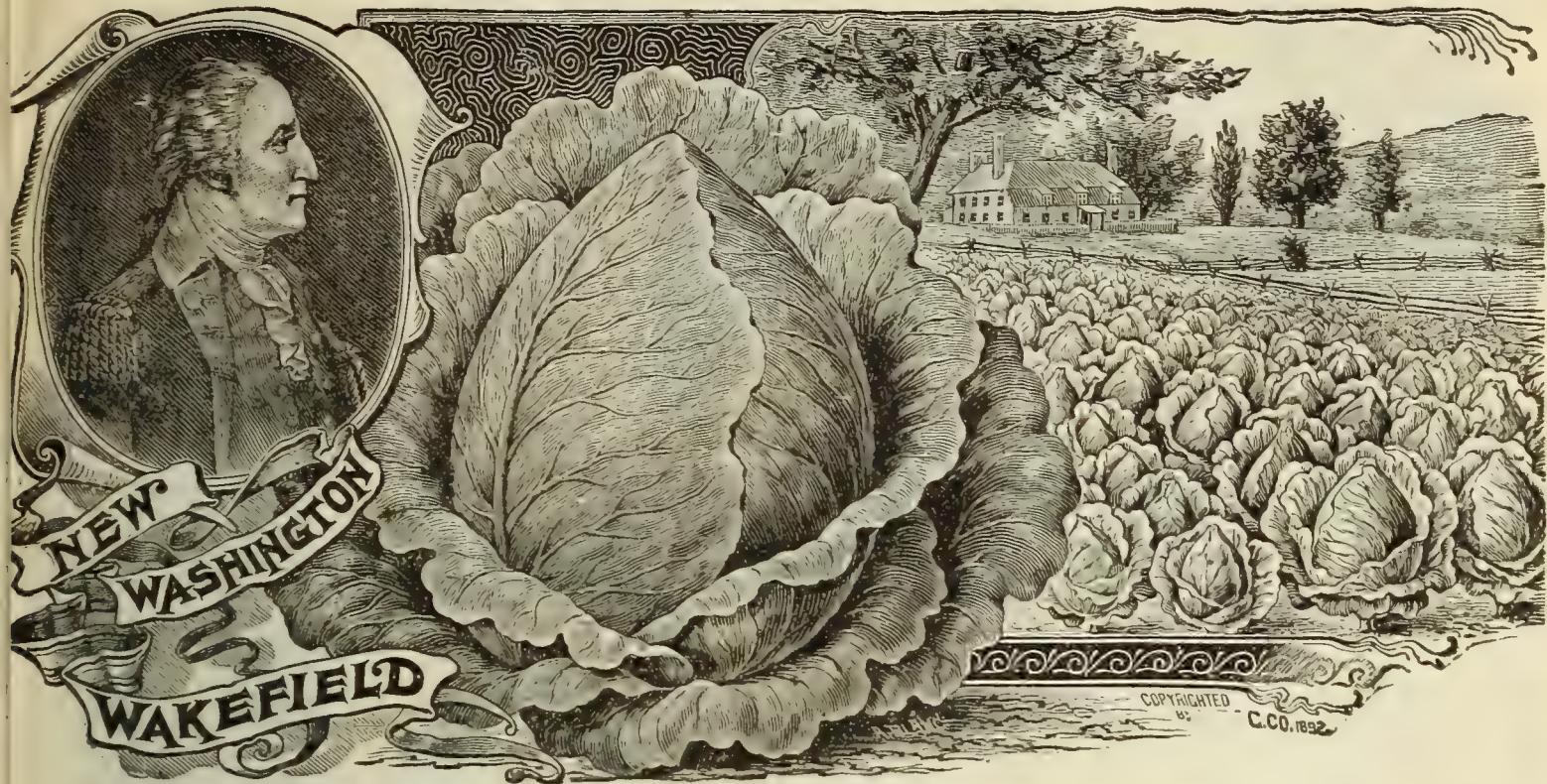
**STONE MASON DRUMHEAD.**—Very reliable compact heading, fall and winter variety. Per pkt.

5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**FAULTLESS.**—This exceptionally fine new variety, which was introduced by us originated with the well known C. L. Allen, who grows more cabbage seed than any other person in America. In writing us about it, Mr. Allen says: "It is of the early summer type, but far more regular and uniform in time of maturing. It is a rapid grower; have cut heads for market in 40 days after the setting of plants. Has a vigorous constitution, does not drop its leaves quickly, and is a good keeper. By sowing the seed July 1, perfectly solid heads will be formed by the time of trenching for winter." Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**CABBAGE PLANTS.**—See list of Vegetable Plants.





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C.C. CO. 1892

**NEW WASHINGTON WAKEFIELD.**—For many years the Jersey Wakofield cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve on it with heretofore but limited success. In this grand variety, which is well shown by our illustration, we have a most superior strain, well worthy of the name it bears. It is a leader, and **First in Head! First in Market! First in the Hearts of Gardeners!** It is very early, the heads are pyramidal in shape, much larger in size than the Jersey Wakofield and very solid, with few outside leaves. It grows remarkably uniform, the heads being of very even size and shape. Unequalled for either the market or family garden. Don't fail to try it this year. Per pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.25.

**IOWA SEED CO.'S SHORT STEM DRUMHEAD.**—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past two or three years, and so greatly has it improved during the seven or eight years we have had it, that in looking over our large field last summer it was almost impossible to find a head that was not solid and well formed. For sureness in heading and regularity of growth it is certainly the finest cabbage extant. It far surpasses any other strain which we have seen, ripening earlier, with very short stem or stalk, and large, thick, solid heads of silky fine quality, and of best keeping qualities. It is almost all head and always sure to head. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.25.

**MAMMOTH RED ROCK.**—A market gardener's strain of unusual size, color and weight, the result of careful and intelligent selection. It must prove very valuable. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Color very dark red. It will pay all gardeners to try this. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$3.00.

**FOTTLER'S IMPROVED BRUNSWICK.**—Excellent for summer and fall use. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 80c, lb. \$2.00.

**PERFECTION DRUMHEAD SAVOY.**—Heads large and very finely curled. Finest Savoy in cultivation. The Savoys should be more generally grown. They are greatly superior in flavor to the other varieties. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**PREMIUM FLAT DUTCH.**—This old and well known variety is still the standard winter kind. The heads are large and solid; first class keeper and sure header. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. 1.50.

**MARBLEHEAD MAMMOTH.**—Largest of all; have in some instances grown to a weight of 40 pounds, and the heads of such size that they would not go into a two-bushel basket. It is a good cabbage for exhibition at fairs when grown under a high culture, but as a rule it is too loose headed and uncertain for a main crop. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

#### MARKET GARDENERS!

Our cabbage seed will please you. Don't fail to try it. By the way, while prices named in this list are very reasonable, and in fact low, quality considered, still we issue a wholesale price list for market gardeners and others who purchase garden seed in bulk to the amount of \$5.00 or over. Send for it if this means you.



.. NEW ..  
**Short Stem  
DRUMHEAD  
CABBAGE.**



*One ounce will sow 100 feet of drill; 8 to 4 pounds for one acre*

This is an indispensable root for the farm and is deserving of more general cultivation. They succeed best on sandy soil: will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for horses, cattle, sheep and pigs. Cows fed on carrots, alternately with mangels and ruta bagas, give a notably increased yield of milk. In feeding, the roots should be washed, sliced and heavily dusted with Indian meal or bran, together with a proper proportion of salt. They do not require cooking. For horses there is no better alternative, and as a diuretic they are ever worth attention.

For early crop sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches in the row. For field culture rows should be of sufficient distance to admit of the use of a horse cultivator; sow seed from the middle of April to the first of June. A light sandy loam deeply tilled is best. A fair average yield is 800 to 1,000 bushels per acre. Our seed is saved from carefully selected stocks and is sure to please you.

**EARLY FRENCH FORCING.**—The earliest variety; valuable for forcing; excellent quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

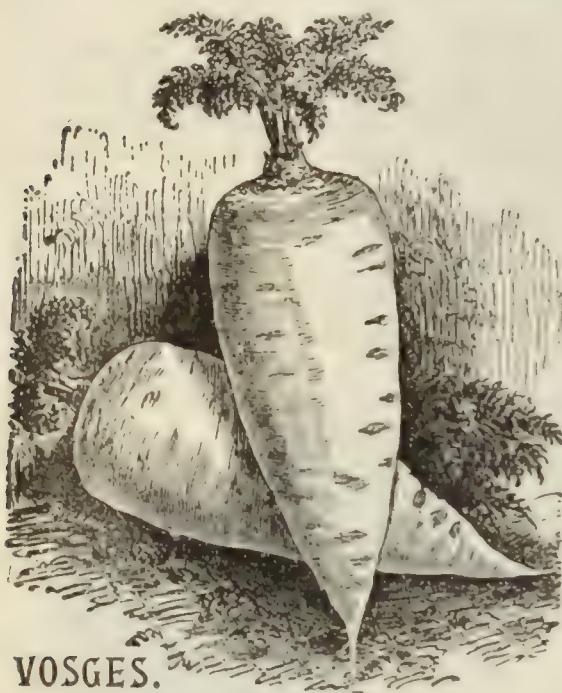
**EARLY SCARLET HORN.**—Favorite for early crop, but not large. Sold largely in New York markets bunched. It matures eight to ten days earlier than the Danvers, and is sometimes used for forcing. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**DANVERS.**—It is in form about midway between the Long Orange and the Shorthorn class, growing generally, with a stump root. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. A first class carrot for all soils, and for either garden or field culture. A rich, dark, orange color, smooth and handsome. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.

**OXHEART.**—This new French carrot is one of the most valuable of recent introductions. Intermediate between the Half-Long and Horn varieties, having a diameter of 3 to 4 inches at the neck, heart-shaped and rich orange color. Where other varieties require digging it is easily pulled. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**NEW HALF-LONG CORELESS, OR CARENTON.**—A new, very early variety without core; excellent flavor for table use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.

**IMPROVED LONG ORANGE.**—Standard sort for field culture and desirable for table use; roots large and long. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.



VOSGES.

and of good quality. Our strain is extra choice, and customers will be pleased with them for feeding cows. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 70c. By express, 5 lbs. or more at 50c per lb.

**LARGE WHITE VOSGES.**—Enormously productive, grows well out of ground making it easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp, heavy yielding. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 80c. By express, 5 lbs or more, 55c per lb.

**LARGE WHITE BELGIAN.**—A white field sort liked in some localities. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 70c.

**CHANTENAY.**—Larger than Scarlet Horn, flesh rich orange color, finest quality, small tops; will give great satisfaction to both market and private gardeners. Medium early. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**VICTORIA.**—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation: roots remarkably fine, of rich orange color, symmetrical, excellent quality, possessing high feeding properties; heavy cropper on all soils, especially adapted for rich land, grows half as much weight again per acre than ordinary varieties; grows well out of ground, easily harvested. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00. By express, five pounds or more, 75c per pound.



# CELERY.

One ounce will produce about 6,000 plants.

This we consider one of the luxuries of the garden. No one who has once used it will be without it, and as it usually is so expensive in the market, the following simple directions are given, by which everyone who has a garden can supply themselves with it.

For first crop sow the seeds early in hotbeds, or in boxes in the house, or later in open ground, in rich, moist soil, covering the seed very lightly. When the plants are about three inches high, transplant to four inches apart each way in a rich pulverized bed.

The tops are shorn off once or twice before planting so as to insure "stocky" plants, which suffer less on being transplanted. After the ground has been well prepared, lines are struck out on the level surface, three feet apart, and the plants set six inches apart in rows. If the weather is dry at the time of planting great care should be taken that the roots are properly "firmed."

Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position.

Later in the season the blanching process must be finished by digging the soil from between the rows and banking it up clear to the tops on each side of the row of celery. Considerable labor is saved by growing the self-bleaching varieties.

**NEW PINK AROMATIC.**—This splendid variety which was introduced by us, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It was originated by a private gardener in England, and we are sure it will please all of our customers. It is of most attractive pink and white color, handsomely blended on each stalk, and makes a better appearance on the table than any other sort; crisp and tender and has the peculiar brittleness so desirable, while its fine, aromatic, nutty flavor, free from the slightest trace of bitterness, all serve to stamp this as the very best celery on the list. It is a very superior keeping sort for winter and early spring use. Summing it all up we find it unsurpassed for size, solidity, crispness, nutty aroma, attractive color and keeping qualities. Blanches easily. Don't fail to try it. Per pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**GOLDEN SELF-BLANCHING.**—This variety has fully realized all claimed for it, and is pronounced by all a great acquisition and the most profitable for market and family use. It is of a very handsome form and even growth, reaching a very large size, but very stocky and robust. The stalks grow vigorously, with large ribs, very thickly and closely set. It is entirely self-blanching, without any banking up or covering whatever, even the outer ribs assuming a yellowish-white color of a very fresh and pleasing appearance. The heart is of a beautiful golden yellow color, very large, crisp and solid, and unsurpassed in delicious quality of flavor.

in striking appearance on the table, and decidedly the best keeper of all the self-blanching varieties. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**KALAMAZOO.**—A new variety most popular in the great celery region of Michigan and one of merit. Of large size, quick growth, close, stiff habit, beautiful creamy-white color, solid, crisp, and of delicious flavor. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**GIANT PASCAL.**—This is, without doubt, the most remarkable novelty in celery obtained since the introduction of the Golden Self-Blanching, from which it is a sport, carefully established by skillful selection. The illustration shows its handsome appearance—surpassing all other varieties, except our Pink Aromatic in this respect. It grows one-fourth taller than its parent, and the stalks are remarkably large, thick, solid and entirely stringless. When fully grown the outer stalks average two inches wide and nearly as thick as a man's finger and are always very crisp and brittle. It is a vigorous grower and blanches very easily, requiring only five to six days' earthing up, when the outer stalks present a beautiful clear white appearance. It is, without doubt, the celery for January and February use. It is excellent for shipping, does not rust or rot, and retains its crisp, brittle appearance. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 65c, lb. \$2.50.

**WHITE PLUME.**—The stalks, portions of inner leaves and heart are naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market and private gardeners. We had a very choice lot of this variety of seed grown for us this year in California. It is of the highest quality and sure to please all. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**HENDERSON'S HALF DWARF.**—Close habit, solid, crisp and tender. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**GOLDEN DWARF.**—When blanched, the heart is of rich, golden color, excellent quality, good keeper. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**BOSTON MARKET.**—Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**DWARF CRIMSON.**—Considered by some superior to white sorts. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**TURNIP-ROOTED, OR CELERIAC.**—Grown exclusively for its roots which are excellent cooked and pickled, or used in soups. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.70.

**OLD CELERY SEED.**—For flavoring. Per oz. 5c,  $\frac{1}{4}$  lb. 15c, lb. 40c.

**CELERY PLANTS.**—See list of Vegetable Plants.

GIANT PASCAL.



GOLDEN SELF-BLANCHING.



NEW PINK AROMATIC.

in delicious quality of flavor. It is unequalled in striking appearance on the table, and decidedly the best keeper of all the self-blanching varieties. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

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**GOLDEN DWARF.**—When blanched, the heart is of rich, golden color, excellent quality, good keeper. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**BOSTON MARKET.**—Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

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**TURNIP-ROOTED, OR CELERIAC.**—Grown exclusively for its roots which are excellent cooked and pickled, or used in soups. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.70.

**OLD CELERY SEED.**—For flavoring. Per oz. 5c,  $\frac{1}{4}$  lb. 15c, lb. 40c.

**CELERY PLANTS.**—See list of Vegetable Plants.

# SWEET CORN.

*One quart will plant 200 hills; one peck will plant an acre in hills.*

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain. Give thorough cultivation. For a succession plant every two weeks until midsummer. We make the growing of sweet corn for seed a specialty, and are sure our stock will please you.

**EARLY SUNRISE.**—The best early variety. See description with novelties. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**EXTRA EARLY CORY.**—For several years past this variety has held its place as the first early, and as yet no other variety exceeds it in earliness, although we consider the Early Sunrise a much better early corn. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.

**NEW CHAMPION EARLY.**—Without doubt the earliest large corn ever introduced, being only a few days later than Cory, with ears nearly as large as the Mammoth. Ears were grown ready for table use in sixty-one days from time of planting, and they weighed one and one-half pounds each, and were 12 $\frac{1}{2}$  inches long by 8 $\frac{1}{2}$  inches around. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special culture. An average size is about nine inches long. It has a medium size white cob and large, pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family garden should contain at least a few hills. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.

**PERRY'S HYBRID.**—Large, early, twelve-rowed sweet corn, which was with us only eight days later than the Cory, and the yield was more than double. It does not waste any time making stalks; its object is for ears—large ones and plenty of them in the shortest possible length of time. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**EARLY MINNESOTA.**—The standard early sweet corn. It ripens a little earlier than Crosby's. Eight-rowed ears of good size and uniformly sweet and well flavored. The stalks grow about 5 feet high. Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 35c.

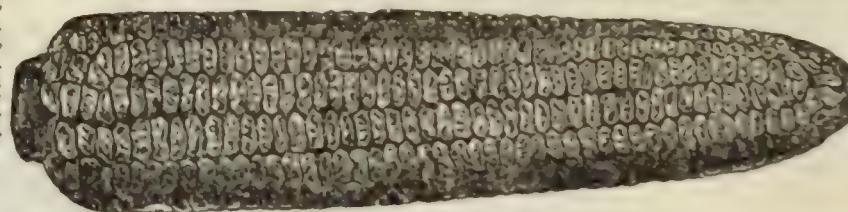
**CROSBY'S EARLY.**—A standard, medium early variety. Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 35c.

**SHOE PEG.**—A very excellent and distinct variety. The stalks are of a medium height, without suckers, joints short, and sometimes yield as many as five ears well filled out. The kernel is small, very long and white, which gives it its name, exceedingly tender, sweet, and of a rich, juicy flavor. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

## COUNTRY GENTLEMAN.

yield as many as five ears well filled out. The kernel is small, very long and white, which gives it its name, exceedingly tender, sweet, and of a rich, juicy flavor. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**ACME EVERGREEN.**—(Novelty 1895.) A great improvement on the Stowell's Evergreen, which we have been selecting and improving in certain characteristics for many years. It is about two weeks earlier than the Evergreen; the stalks are more robust, but do not grow so tall and average two or three good ears to the stalk which are set low. Ears are long and of uniform shape, resembling the Egyptian, and have not the large butt so common with the Evergreen. The cobs are small and grain very deep. It is most thoroughly Evergreen and while fit for use earlier, it remains in good condition longer than its parent, and holds its own during dry weather much better than any other variety of corn. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.



ACME EVERGREEN.

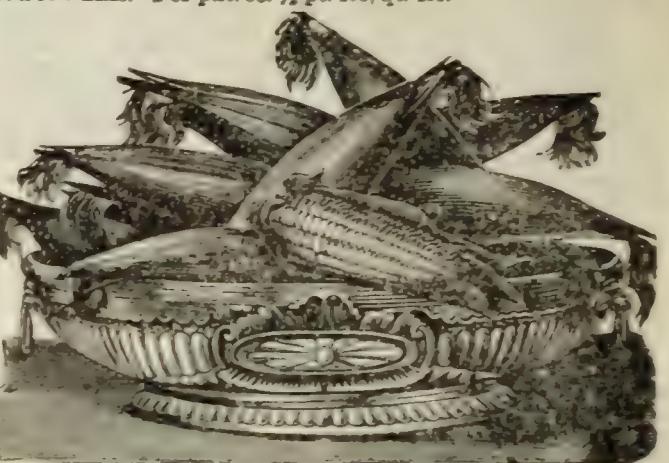
**COUNTRY GENTLEMAN.**—For many years the Shoe Peg has been considered the sweetest and best for family use, but it was of rather small size. After years of careful selection and growing this year plant has been made strong by a grower in the Connecticut Valley, until in the new Country Gentleman sweet corn we have a variety that produces ears of full size, retaining all the delicious sweetness and high quality of the original sort. Our illustration of a single stalk shows its great productivity; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels, which are of pearly whiteness, and, we cannot say too often—surprisingly sweet and tender. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**STOWELL'S EVERGREEN.**—This is more largely planted than any other variety, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of a large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 35c.

**BLACK MEXICAN.**—A black grained variety; one of the sweetest of all kinds. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

**MAMMOTH SUGAR.**—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three pounds; quality very sweet and luscious. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**EVERGREEN FODDER.**—Makes a profitable crop for dairymen. Per qt. 25c.



NEW CHAMPION EARLY.

**IMPROVED RUBY.**—This most unique novelty has attracted great attention in our seed farm, in our store and at various fairs where shown. It differs from all other varieties in cultivation in the states, husk and cob being a deep ruby red in color, while the kernels are of a snowy whiteness and look like rows of pearls in contrast with the deep red of the husks, the effect of which is very striking and beautiful. Very tender, sweet and well flavored, early and productive and remains long period in condition for use. Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 60c.

**Egyptian Sweet.**—Very prolific, and by many who have tried it believed to be the best late sweet corn in cultivation. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.



IMPROVED RUBY.



EXTRA EARLY CORY

## We Pay the Postage

on corn at these prices. Deduct ten cents on each quart if to be sent by express. Pints at half quart prices. The half pint packages are very desirable for small families.

Prices by the Peck and Bushel on Page 47.



IMPROVED CHICAGO PICKLE.

**IMPROVED LONG GREEN.**—Old standard sort; crisp, tender and of good flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

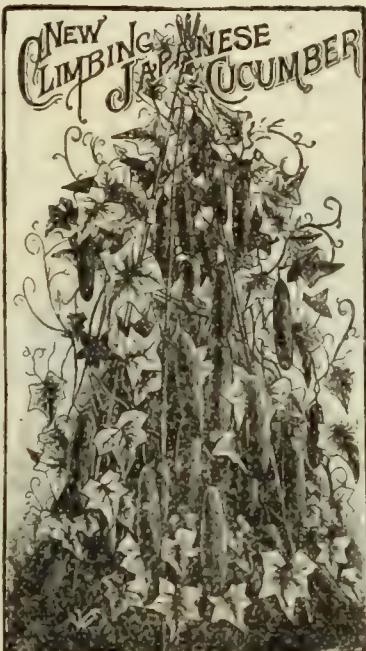
**SNAKE.**—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and sometimes are six feet in length. Although attaining great size, the quality is only fair. Grown chiefly as a curiosity, and to exhibit at fairs. Packets only, 10c, 3 for 25c.

**NEW ASTRO.**—A rare novelty, sure to excite the curiosity of your neighbors. With common outdoor culture it will grow fifteen to eighteen inches in length, with very few seeds. Excellent for slicing. Flesh white and crisp. More fully described with novelties. Per pkt. 10c, 6 for 50c.

**NEW JAPANESE CLIMBING.**—This may be described as the sensational novelty of Europe. The seed was originally brought from Japan about five years ago, and has proven thoroughly adapted to open air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. It clings so tightly that it is not prostrated by heavy storms of wind or rain. It comes into bearing quickly and continues to set fruit abundantly throughout the season, while the climbing habit of growth enables the hanging fruit to grow perfectly straight. Of large size, from 12 to 18 inches in length; cucumbers thick, exceedingly tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and netted when ripe; of excellent quality for slicing, and when young make attractive pickles. They made a grand crop on our place this year. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

July 25, 1895.—The seeds we purchased from you last spring were far ahead of any we ever used. The New Astro cucumber far exceeds all expectations and we now have several specimens over 26 inches in length.

N. W. HICKLIN, Boone Co., Iowa.



## CUCUMBER.

One ounce will plant 50 hills; two pounds will plant one acre.

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop, plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past, thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime to protect from the bugs, or Slug Shot will kill the bugs. We are the largest growers of cucumber seed in this part of the country. Our sales one year amounted to 9,675 pounds of the three leading varieties, all of our own growing. At two pounds to the acre this quantity would seed 4,837 acres. A very reasonable estimate of the yield would be \$225.00 per acre, making a total cash value of product \$1,088.325.00, grown from our cucumber seed in one year. What firm in America can equal this record?

**WESTERFIELD'S IMPROVED CHICAGO PICKLE.**—Mr. Westerfield, having been engaged in growing pickles for Chicago pickle factories for many years, and also in supplying them with seed for other growers, has watched carefully and selected his seed stock from the most prolific and early maturing vines having the most desirable shaped cucumbers for pickles. Consequently his strain is now considered by all growers in that vicinity to be the best stock to grow. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**EARLY CLUSTER.**—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**BOSTON, OR JERSEY PICKLE.**—Is used almost exclusively by the market gardeners near Boston for pickling. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

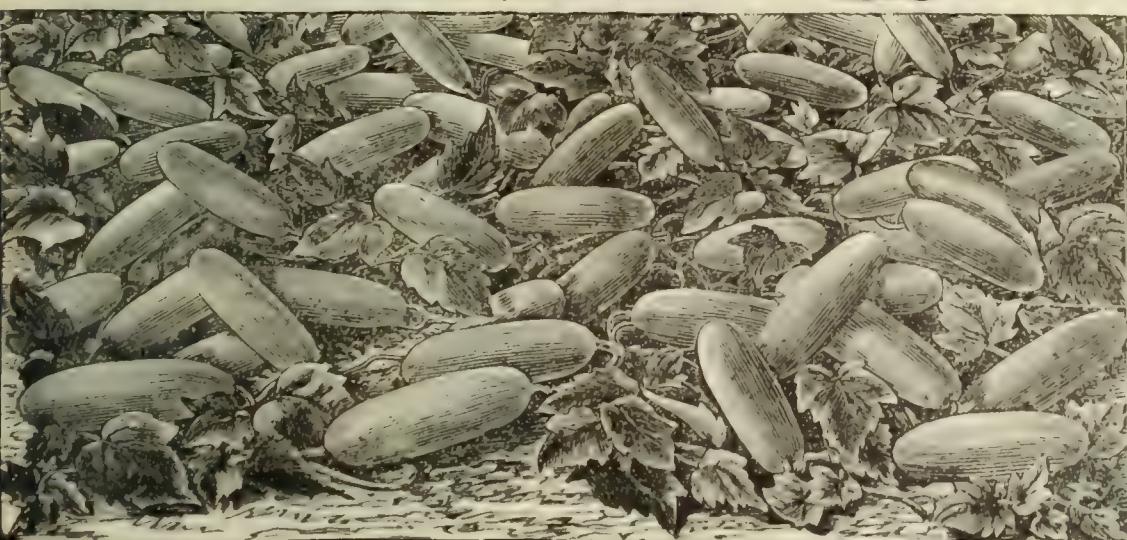
**EARLY FRAME, OR SHORT GREEN.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**GREEN PROLIFIC.**—Splendid pickling sort. Very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**NICHOL'S MEDIUM GREEN.**—Fruit of medium length, nearly cylindrical, very uniform in shape, and of good color when young. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**WHITE PEARL.**—In habit of growth it is entirely distinct, setting the cucumbers very close around the stem, and maturing these early, then afterward the vines continue to run and bear freely throughout the season. The cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and entirely free from spines. In color they are a beautiful pearly white; even the young fruits are of a very light color, nearly as pure white as when ready for use. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

**WEST INDIAN GHERKIN, OR BURE.**—Makes a handsome pickle of first class quality. Be sure and try it. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.



PERFECT WHITE SPINE. (From a photograph taken on our Adair County Seed Farm.)

**IOWA SEED CO.'S PERFECT WHITE SPINE.**—Prominent horticulturists and experienced market gardeners pronounce this variety to be undoubtedly the best strain in existence. For 15 years we have been growing and improving this variety on our seed farm and as a result we offer to our customers this improved strain, pronounced by good judges superior to either Peerless or Arlington. Fruit of even and good size, straight, well formed and symmetrical. When small it is deep green in color, and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its color, shading to a light green at blossom end. As it matures it turns to a clear white, very showy for market. Immensely productive, and keeps longer solid and crisp than any other variety. Outyields any other for pickles. Crop was large this year and we have made price low. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c. By express, 5 lbs. or more at 45c per lb.

**ASPARAGUS.**—*Ger. Spargel.*

One ounce will sow forty feet of drill.



PALMETTO.

**PALMETTO.**—Beyond question the largest and finest Asparagus ever sent out. Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Its tenderness is ensured by its remarkably rapid growth and remaining in good condition several days after being ready for cutting. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**CONOVER'S COLOSSAL.**—The standard variety. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 45c.

**"HUB," OR MOORE'S HYBRID.**—Remarkably uniform and very large, very tender and rich in flavor. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**ARTICHOKE.**—*Ger. Artischoke.*

Plant early in spring, in drills, two inches deep. When strong transplant to permanent beds, in rich soil, in rows three feet apart and two feet in the row. They mature the second year. Must be protected in winter.

**FRENCH GREEN GLOBE.**—Per pkt. 5c., oz. 25c.

**ARTICHOKE ROOTS.**—See miscellaneous list.

**BROCCOLI.**—*Ger. Broccolt.*

One ounce will produce about 3,000 plants.

Growth and habit like the Cauliflower, except that it is more hardy, and the heads are not as compact. Cultivate same as Cauliflower.

**EARLY PURPLE CAPE.**—A popular sort; heads well and is very hardy. Per pkt. 5c., oz. 40c.

**EARLY LARGE WHITE.**—Per pkt. 5c., oz. 40c.

**BRUSSELS SPROUTS.**

*Ger. Sprassen-Kohl.*

One ounce will produce about 3,000 plants.



BRUSSELS SPROUTS.

Of the cabbage family, producing numerous heads on the stem, of most delicious quality, as well as a cabbage like head at the top. If you have never grown it, try it this year and you will be pleased. Use and cultivation same as winter cabbage. Per pkt. 5c., oz. 20c.

**CHERVIL.**—*Ger. Gartenkeebel.*

One ounce will sow 100 feet of drill.

**CURLED.**—Leaves used in soups and salads. Cultivated like parsley. Per pkt. 5c., oz. 20c.

**CHICORY.**—*Ger. Cichorie.*

One ounce will sow about 15 square feet.

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c.

**COLLARDS.**—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

**GEORGIA.**—Sow seed in May; transplant and treat as cabbage. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**CORN SALAD or Fetticus.**

*Ger. Lammersalat.*

One ounce will sow about 20 square feet.

A delicious winter salad. Sow early in September in drills, quarter of an inch deep and six inches apart. Just before cold weather cover with straw or leaves. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c.

**IOWA SEED CO'S.****IMPROVED GROUND CHERRY.**

GROUND CHERRY.

Another year adds only to the popularity of this already very popular little fruit, which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the tomato, and are Prolific bearers, and oh! such delicious fruit. For sauce they are excellent, and for pies nothing can equal them in flavor and taste. They are delicious as preserves, and when dried in sugar are much better than raisins for cakes and puddings, and they will keep if put in a cool place in the shuck, nearly all winter. No one after raising them once will ever make a garden again without devoting a small portion at least to the Ground Cherry. Per pkt. 5c.,  $\frac{1}{4}$  oz. 25c., oz. 40c.

**CELERIAC.**

**OR TURNIP-ROOTED CELERY.**—Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar, they make an excellent salad. They are also used for seasoning meats and to flavor soups. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., per lb. \$1.70.

**PURPLE HUSK TOMATO.**

This fruit is quite popular in some places. The plants produce handsome purple fruit in great abundance, which are from one to two inches in diameter and enveloped in a husk similar to the Ground Cherry. Per pkt. 10c.

**EGG PLANT.**—*Ger. Eierpflanze.*

One ounce will produce about 1,000 plants.

A tender plant, which should be started quite early in a hot-bed or box in the house, which must be kept warm. Late in the spring transplant to open ground 2½ feet apart each way in warm, rich soil. Soon as weather becomes warm they are thrifty and easily grown. They are a decided luxury which everyone should grow.

**EARLY LONG PURPLE.**—Hardy and productive, six to eight inches long. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 90c.

**IMPROVED NEW YORK.**—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. See cut. Per pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**CRESS or Pepper Grass.**

*Ger. Kresse.*

One ounce will sow about 16 square feet.

**EARLY CURLY.**—A well known salad. Sow thickly and at intervals during the season; cover seeds lightly. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**TRUE WATER.**—One of the most delicious of small salads. Will only grow where its roots are covered with water. Sow the seeds along the border of running water and cover lightly. Per pkt. 5c., oz. 25c.

**UPLAND.**—Can be grown on high, dry ground, and has the identical flavor of the Water Cress. In packages only, each 10c.

**ENDIVE.**—*Ger. Endivien.*

One ounce will sow 60 square feet.

One of the best and most wholesome salads for fall and winter use. Sow early and thin, cover slightly. Soon as large enough thin to nine inches apart. When leaves are eight inches long tie them together with string near the top to blanch. This must be done when quite dry. Before cold weather, take up for winter, being careful to leave a small amount of dirt around the roots.

**EXTRA CURLY.**—Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

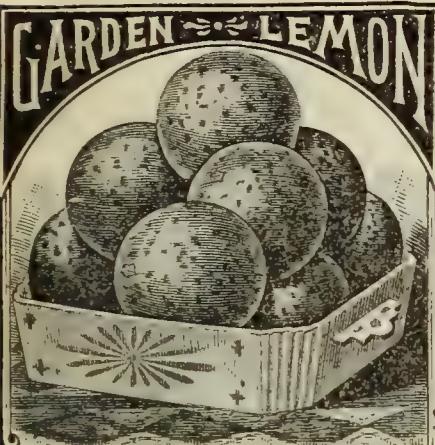
Your Washington Wakefield Cabbage is the best cabbage I ever planted.

LEON ACHIE, Plaquemine, La.



TURNIP-ROOTED CELERY.

IOWA SEED CO'S NEW



Introduced by us and it has been highly praised wherever tried. It resembles the Vine Peach in manner of growth, but is distinct in that the unripe fruit is striped with very dark green, nearly black, while the Vine Peach is plain green, and when ripe is not russeted like the Vine Peach. Fruit is of shape shown in our engraving, and is somewhat smaller than Vine Peach, has thinner flesh, and is most decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Cultivate like musk-melon, in hills three feet apart each way. Full directions for cooking in various manners accompany each packet. Per pkt. 5c, oz. 20c.

**KOHL RABI**—*Ger. Kohlrabi.*

One ounce will sow a 200 foot drill.

An excellent vegetable, intermediate between the Cabbage and Turnip. Sow in rows in May or June, eighteen inches apart, thinning to eight inches between the plants.

Cook as Turnips.

**EARLY WHITE VIENNA**—Flesh white and tender; best market sort. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.**EARLY PURPLE VIENNA**—Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.**LEEK**—*Ger. Lauch.*

One ounce will sow one hundred feet of drill.

Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it.

**LONDON FLAG**—Very hardy. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c.

**LARGE ROUEN**—Largest and most uniform of all. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.



WHITE VELVET OKRA.

**LUFFA, or DISH CLOTH**—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth. The fruit grows about two feet in length, and the vine is very ornamental, producing large clusters of yellow blossoms, in pleasing contrast with the silvery-shaded, dark green foliage. For the bath, and for the toilet in general, the "Dish-Rag Gourd" is taking the place of the sponge. It is, in fact, a sponge, soft brush and a bath glove combined, and is almost indestructible. The seed should be started in a hot-bed or in the house. Per pkt. 10c, oz. 50c.

**MIXED UTILITY GOURDS**

—Seeds of the four above varieties mixed together. Per pkt. 5c, oz. 25c.

**OKRA, or GUMBO.**—*Ger. Essberra Hibiscus.*

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables, in drills two inches deep, leaving the plants from two to three feet apart.

**DWARF WHITE VELVET**

—This new variety is well shown by our cut. Pods are round, smooth and of an attractive white velvety appearance, very tender and of superior flavor. Plants are dwarf and produce the pods in great abundance. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.

**KALE or BORECOLE**—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

This most excellent vegetable deserves to be more generally cultivated, being harder than Cabbage, and furnishing most excellent greens during winter and spring. It is also a splendid winter food for poultry. It is quite hardy and is improved by frost. Cultivate same as Cabbage. For winter, sow in September, and treat as Spinach, giving it a light covering of straw or litter to protect from severe cold.

**DWARF GERMAN GREEN**—Best for winter greens. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.

**TALL CURLED SCOTCH**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.

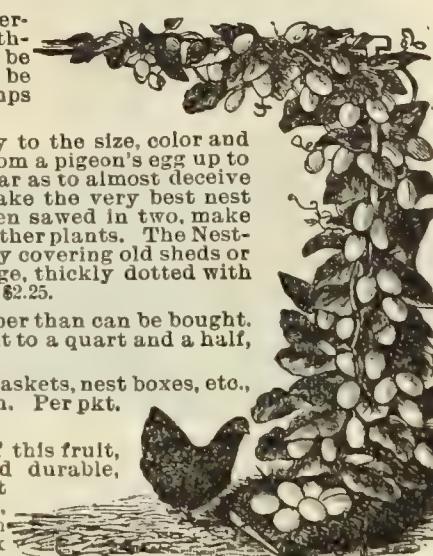
**GOURDS.**

The following four varieties will be found quite serviceable in any household. No one would think, without having tried them, of the many uses they can be put to. Cultivate as cucumbers; or they may be trained over lattice work or utilized to cover stumps or fences.

**JAPANESE NEST-EGG**—Grows almost uniformly to the size, color and shape of a hen's egg, although some vary in size from a pigeon's egg up to a goose egg and so exactly like an egg do they appear as to almost deceive any one. The shells are hard and durable, and make the very best nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. The Nest-Egg Gourd is a rapid and desirable climber; quickly covering old sheds or any unsightly object with a mass of green foliage, thickly dotted with beautiful white eggs. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**DIPPER**—Makes a more light and convenient dipper than can be bought. Dippers of various sizes, of a capacity of from a pint to a quart and a half, can be had from a few vines. Per pkt. 5c, oz. 20c.

**SUGAR TROUGH**—Very convenient for buckets, baskets, nest boxes, etc., Sometimes grow so large as to hold ten gallons each. Per pkt. 5c, oz. 20c.

**MUSTARD.**—*Ger. Senf.*

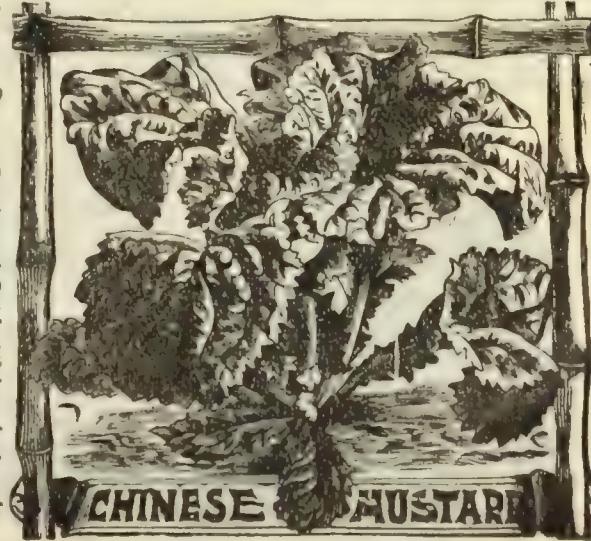
One ounce will sow about 75 feet of drill.

A pungent salad, used sometimes with Cress, also for greens. Sow thickly in rows, and cut when about two inches high.

**SOUTHERN GIANT CURLED**—This mustard is very highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in spring as salad. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WHITE ENGLISH, or London**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**NEW CHINESE GOLDEN**—An entirely new variety, quite different from the rank, over-grown, green-leaved variety called Chinese Mustard in some other seed dealers' catalogues. Our New Chinese Golden forms a compact, bushy plant. Leaves very thick, finely curled, and of a bright golden yellow color, very slow to go to seed; has no rank, strong flavor like other kinds, and pronounced by all who have tried it the best of greens. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.



## POP-CORN.

It pays to raise pop-corn as a general crop. It is a sure crop, and the demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway and for home use don't fail to try the Striped Rice.



**PAGE'S NEW STRIPED RICE.**—This splendid variety, which is the result of a cross between the best White and Red varieties of Rice pop-corn, we have been at work improving for several years, until now we have undoubtedly the best, handsomest and most attractive variety of pop-corn in existence. "Beautiful!" "Splendid!" "It takes the cake!" is what our customers say of it. The color is a clear, translucent white, and each kernel is beautifully striped with bright crimson. Our illustration does not do it justice. The ears are of good size and well filled out; kernels are long and pointed, resembling rice. Early, very productive, and extremely tender when popped, bursting out very large, white as snow and of finest quality. All should try it. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**MONARCH WHITE RICE.**—The best white variety grown. It bears from three to six ears per stalk, weighs 36 pounds per bushel of ears when dry, and produces 1,500 to 2,500 pounds per acre. It will pay you to try it. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.

**MAPLEDALE PROLIFIC POP-CORN.**—The most productive popcorn, averaging 8 to 12 good ears to the stalk, as many as 19 ears having been taken from a single stalk. Ears uniformly large. Pops to a large size and very tender. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**QUEEN'S GOLDEN.**—Color a peculiar lustrous, golden yellow; when popped, of a rich cream color; very prolific. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.



## HOLT'S MAMMOTH SAGE.

After having grown and thoroughly tested this valuable variety for many years, we can recommend it most highly. The illustration shows a leaf of average size. The plants are very strong growing, the first season attaining one foot in height, and so spreading that a single plant covers a circular space 3 feet in diameter. The leaves are borne well above the soil, keeping them clean: very large and of unusual substance, strong in flavor, and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort. It is perfectly hardy, even in New England, and attains still larger growth the second season. It never runs to seed. The past three years we have not been able to supply the demand but this year we grew a very large number and hope to have sufficient. Price: 3 plants for 25c, 7 for 50c, or 15 plants for \$1.00, postpaid.

## ORNAMENTAL POMEGRANATE.

A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens but is now rarely seen.

Grows on a pretty vine; fruit is round, of a bright yellow, irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Frightful and easily grown. It is often called Queen Anne's Pocket Melon. Per pkt. 5c, oz. 25c.

## READ THIS!

Please quote price on five or six lbs of Yellow Bell Peppers. In your last season, I purchased some from you and the same quantity from quite a number of other seed houses. Many good onions out of all the others combined as I did from yours. F. L. WOTTON,  
Darien, N. Y.



POMEGRANATE.



## RED CROSS PEANUTS.

**I.S.** Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is as early as the earliest, the most fibby, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two or three inches.

The soil should be deep and mellow, and well broken up so as to be ready for planting soon after frost is over. April is a suitable time. They produce 25 to 70 bushels per acre, and are as easily cultivated as corn. Price, per large package, 10c, lb. 40c, postpaid.

## HERBS.

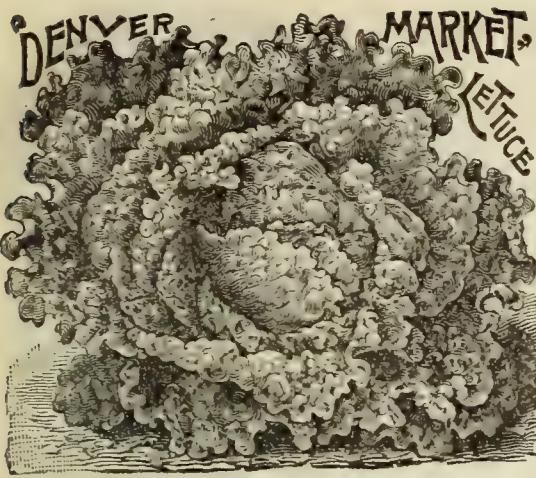
In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. They should have a place in every vegetable garden. Sow seed in shallow drills one foot apart, and when up thin out and transplant to a few inches apart. The chief point is to harvest them properly, which should be done on a dry day when leaf juice is at its minimum, then dried quickly and packed closely, and entirely excluded from

the air. The following are the varieties most cultivated.

**ANISE.**—Annual. Per pkt. 5c, oz. 10c.  
**BALM.**—Perennial. Per pkt. 5c, oz. 20c.  
**BASIL, SWEET.**—Annual. Per pkt. 5c, oz. 20c.  
**BORAGE.**—Annual. Per pkt. 5c, oz. 15c.  
**CARAWAY.**—Perennial. Per pkt. 5c, oz. 10c.



**CATNIP.**—Perennial. Per pkt. 10c, oz. 50c.  
**CASTOR OIL PLANT.**—Annual. Per pkt. 5c, oz. 10c.  
**CORIANDER.**—Annual. Per pkt. 5c, oz. 10c.  
**DANDELION.**—Perennial. Per pkt. 5c, oz. 30c.  
**DILL.**—Annual. Per pkt. 5c, oz. 15c.  
**FENNEL.**—Perennial. Per pkt. 5c, oz. 15c.  
**HOREHOUND.**—Perennial. Per pkt. 5c, oz. 30c.  
**HYSSOP.**—Perennial. Per pkt. 5c, oz. 30c.  
**LAVENDER.**—Perennial. Per pkt. 5c, oz. 25c.  
**MARJORAM, SWEET.**—Perennial. Per pkt. 5c, oz. 30c.  
**OPIUM POPPY.**—Annual. Per pkt. 5c, oz. 30c.  
**ROSEMARY.**—Perennial. Per pkt. 10c, oz. 45c.  
**RUE.**—Perennial. Per pkt. 5c, oz. 20c.  
**SAFFRON.**—Annual. Per pkt. 5c, oz. 15c.  
**SAGE.**—This hardy perennial is used more than any other for flavoring and dressing. Should be in every garden. Per pkt. 5c, oz. 20c, lb. 70c, lb. \$2.50.  
**SAVORY, SUMMER.**—Annual. Per pkt. 5c, oz. 20c.  
**THYME, BROAD-LEAVED.**—Perennial. Per pkt. 5c, oz. 40c.  
**TANSY.**—Perennial. Per pkt. 10c, oz. 50c.  
**WORMWOOD.**—Perennial. Per pkt. 5c, oz. 30c.  
**MIXED VARIETIES.**—A mixture of all the above. Nice garden assortment. Per pkt. 5c, oz. 50c.



very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of Lettuce now grown. The shape of the head resembles somewhat the "Hanson," but is more oblong. C. C. Morse & Co., Seed Growers, say: "It is the best novelty ever sent to us, and tried in our trial grounds, together with 93 other varieties of Lettuce, we find it to be the best." Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**GRAND RAPIDS.**—As many as fifty large greenhouses at Grand Rapids, Michigan, are devoted to forcing this lettuce in winter; the growers have distanced all competitors, and obtained the highest prices in the markets of all the cities to which they have shipped. Of superior quality and beautiful appearance the Grand Rapids Lettuce is a strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale, longer than any other forcing lettuce. It is also a desirable variety for early spring sowing in the open ground. The engraving is from a photograph. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 65c..

**CALIFORNIA CREAM BUTTER.**—A new variety of Cabbage Lettuce, with round solid heads, as shown in the illustration; outside the heads are of a medium green, slightly marked with small brown spots; within, the leaves are of a very rich cream yellow color, most refreshing in appearance, and particularly rich and buttery to the taste. The heads are of good size, compact, very hard and solid. It is medium early, and one of the very best summer varieties of head lettuce we have ever seen. The heads are so solid that generally, they have to be cut before any seed stalk can make its appearance. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**EARLY CURLED SIMPSON.**—An improved variety of the Curled Silesia, with large, loose heads and excellent flavor. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**BLACK SEEDED SIMPSON.**—Nearly double the size of the ordinary Curled Simpson; stands the summit well without becoming tough, or running to seed quickly. Is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners claim that our seed is worth far more than any other. Per pkt. 5c. oz., 15c.,  $\frac{1}{4}$  lb., 35c., lb. \$1.20.

## LETTUCE—*Ger. Lattich.*

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be fully appreciated it must be brought to the table fresh and unwilted. As it requires but little room, and is of the easiest culture, there are but few families that cannot have it direct from the bed. The quality of Lettuce depends largely upon a rapid and vigorous growth. Sow in hot-beds in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 to 12 inches apart in the rows.

**DENVER MARKET.**—An early variety of Head Lettuce, either for forcing or open ground. It forms large solid heads, of a good, light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy Cabbages), and



TOMHANNOCK.

**IMPROVED HANSON.**—For general use, both of market gardeners and in the private garden, we are sure that no variety can surpass our improved carefully selected strains of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from any rank or bitter taste. Resists the summer heat exceptionally well. It cannot be praised too highly. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.20.

**TOMHANNOCK.**—Forms a beautiful plant, 10 to 12 inches high by 9 to 10 inches across. The leaves grow upright, the upper part of the outer leaves turn outward gracefully, and are of a glossy, reddish bronze, quite ornamental. The leaves are almost white, very tender and crisp: it does not head. Grows quickly and remains for weeks of the finest quality; slow to run to seed. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.60.

**SALAMANDER.**—Withstands the heat and drouth admirably, and is very slow in running to seed. Forms immense heads, 12 to 14 inches in diameter. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c.

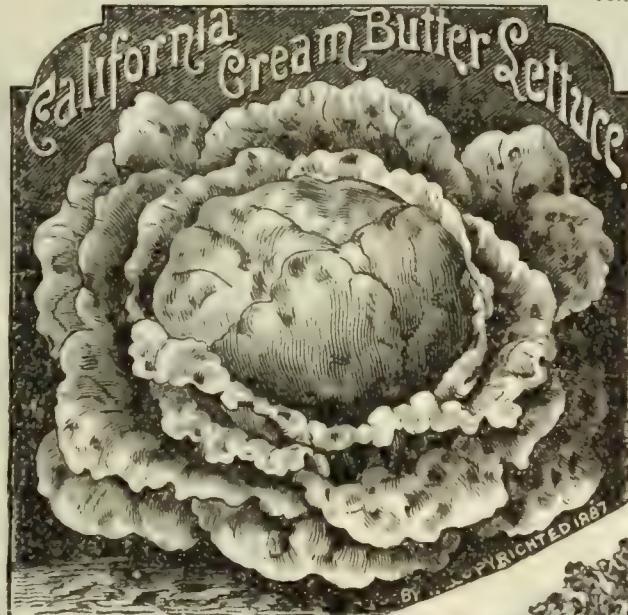
**GREEN FRINGED.**—Edges beautifully cut and fringed. A good selling variety. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**PRIZE HEAD.**—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. Per pkt. 5c. oz. 10c.,  $\frac{1}{4}$  lb. 35c.

**MIXED VARIETIES.**—Seed of about twenty early, medium and late sorts mixed together, thus giving lettuce for the table during the entire season and giving an opportunity to examine all the leading varieties with but little expense. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**OAK LEAVED.**—Has oak-shaped leaves, the broader part set to stem and pointed at the tip, thus giving it a very unique, handsome and attractive appearance. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

**OLD LETTUCE SEED.**—For birds. Per lb. 30c.



EARLY PRIZE HEAD.

\$1.00  
BUYS  
SEEDS  
IN  
Packets  
OR  
Ounces  
TO THE  
AMOUNT  
OF  
\$1.25.



NEW GRAND RAPIDS.

# MUSK MELON.

*One ounce will plant about 80 hills; two pounds to the acre.*

The soil best adapted to the culture of melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our melon seeds.

**IOWA SEED CO.'S IMPROVED GREEN NUTMEG.**—Everybody is delighted with our improved strain of this most excellent old kind. For twelve years we have been constantly selecting and improving the old Green Nutmeg melon until now it is one of, if not the best variety of musk melon in existence. All lovers of fine luscious melons will admit after giving it a trial that it cannot be surpassed in rich, delicious flavor. Fruit of a fair size, very rich, melting, and of exquisite flavor. Outside dark emerald green; flesh light green; more productive than any variety we know of. Don't fail to try it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**IMPROVED EARLY HACKENSACK.**—This new candidate for public favor holds its size, rich flavor and other good qualities remarkably well, and withal is a great improvement on the Turk's Cap or Hackensack in that it is fully ten days earlier. All should try it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**OSAGE.**—This variety has created quite a stir in Chicago, where it sells at double the prices of any other. The skin is thin, of dark green color, and slightly netted. The flesh is of a salmon color, remarkably sweet and spicy in flavor, extremely thick, and delicious to the rind. The seed cavity is very small. All lovers of fine melons should try the Osage. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

## YOU CAN PICK

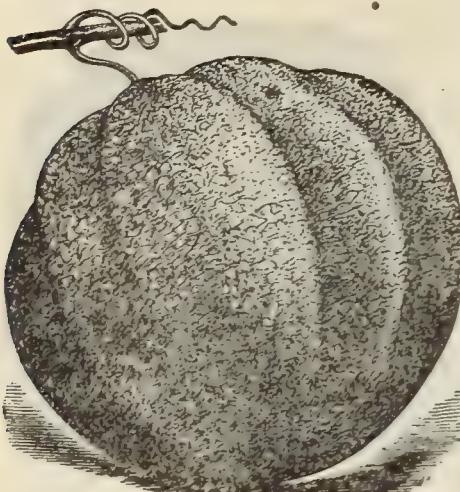
FROM THIS LIST

## WITH YOUR EYES SHUT

AND GET

## A GOOD THING

EVERY TIME.



I. S. CO.'S IMPROVED GREEN NUTMEG.

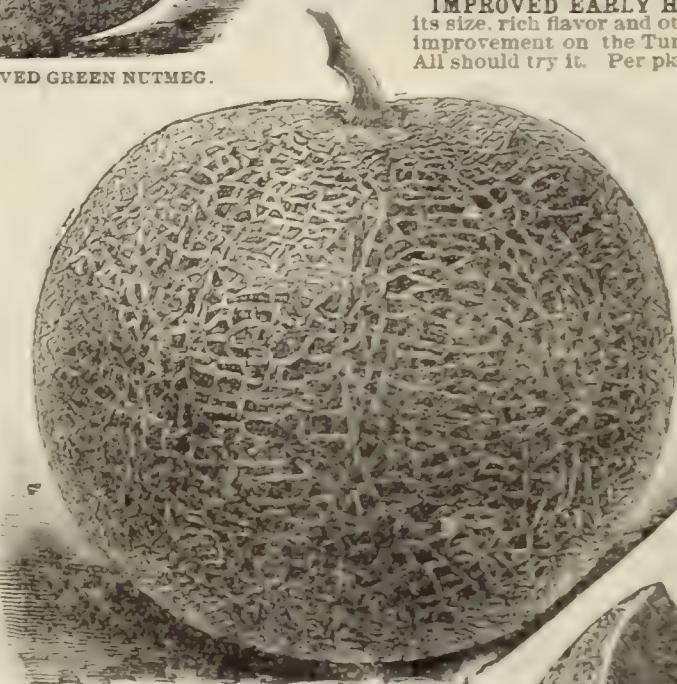
### THE BANQUET

—Our illustration made from a photograph well represents this extra fine new variety. It originated with C. P. Coy, the largest melon grower in the world, and he regards it as his greatest production. The flesh is dark, rich salmon color, uniformly thick and of that granulated character which always indicates a good melon. It is larger in size than the Emerald Gem and differs from that variety in its outer appearance. Of perfectly round shape, the skin is not ribbed, but is densely netted over its entire surface, making it in appearance one of the handsomest melons we have ever seen. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

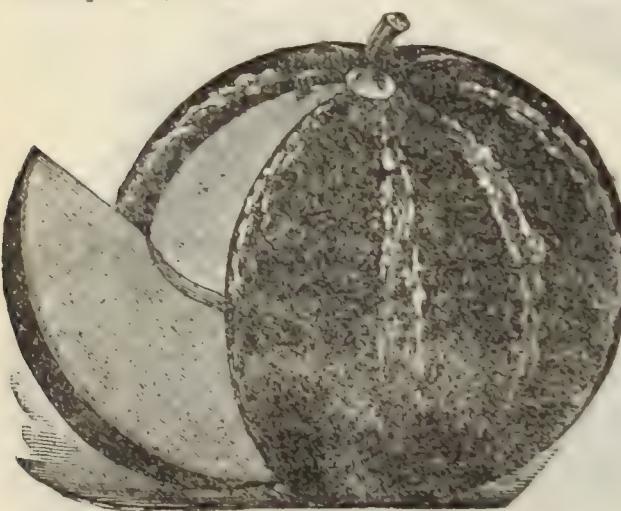
**EMERALD GEM.**—This is one of the most delicious melons we have ever eaten. The melons are of small size, and of a deep emerald green color. The flesh, which is thicker than that of any other melon of the same size, is of a suffused salmon color, almost red, and ripens thoroughly to the extremely thin green rind. It is peculiarly crystalline in appearance, and so juicy and rich that it almost drops to pieces (like a rich cake) when dipped out with a spoon. The flavor is sweet and luscious beyond description. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.

**MONTRÉAL MARKET.**—Uniformly of large size, averaging from 15 to 20 pounds in weight. Flesh very thick and of fine flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.

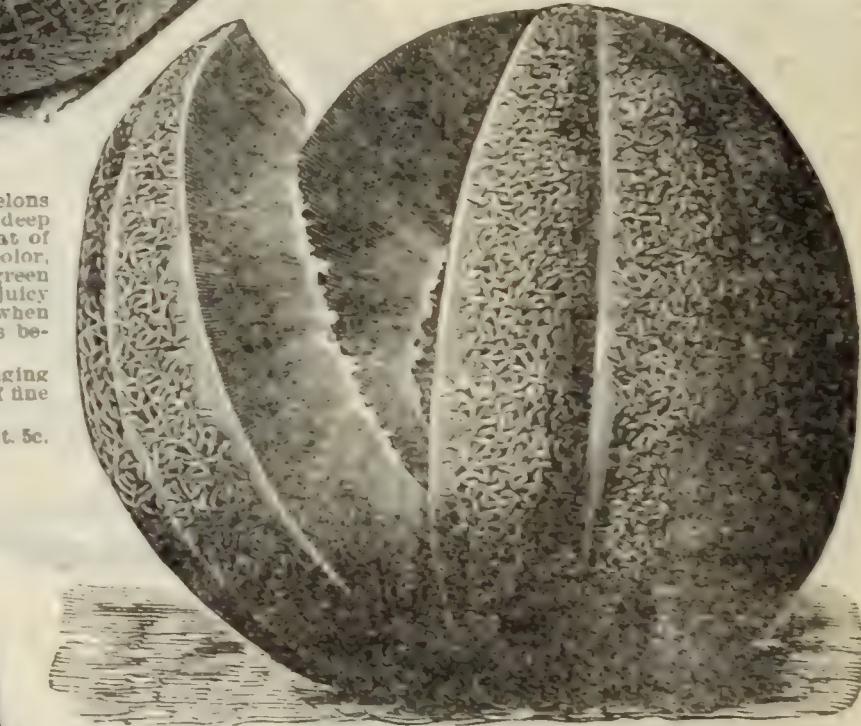
**PERFECTION.**—Rich color and luscious flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



THE BANQUET.



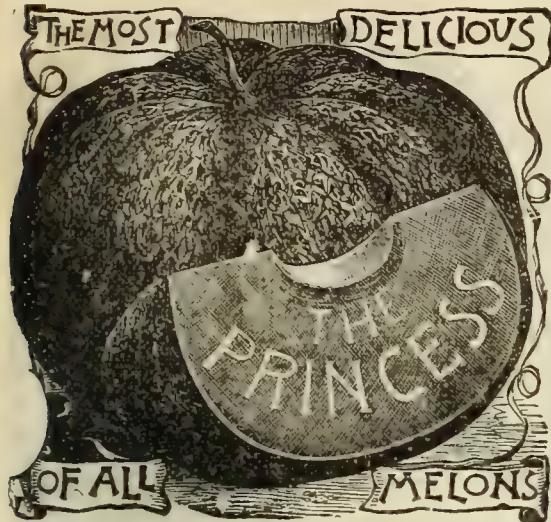
EMERALD GEM.



OSAGE.

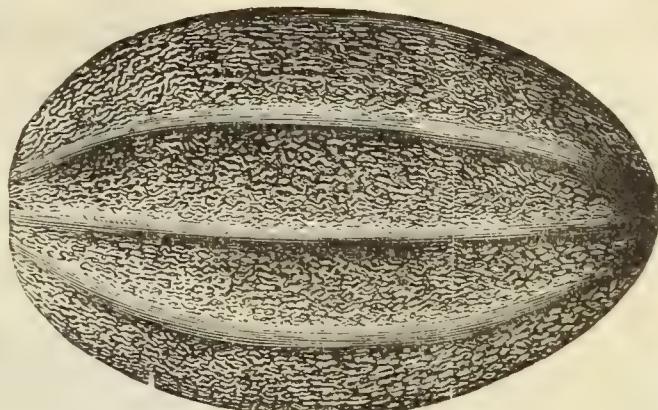
**BANANA.**—Attains a length of from eighteen inches to three feet three inches, and is from two to four inches thick. Flesh very thick, of a salmon color; flavor good. It looks almost like an overgrown banana, and smells like one, hence the name. It is not only a curiosity but it sells well on the market. It is entirely distinct from all other melons. Don't fail to try it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.00.





**THE PRINCESS.**—This splendid variety is nearly round, with heavily netted, dark green skin; the flesh is of a rich salmon color, and in flavor is sweet and luscious beyond description. They ripen early and grow to good size, frequently weighing eight to ten pounds each. This is a most excellent variety which it will pay you to try. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

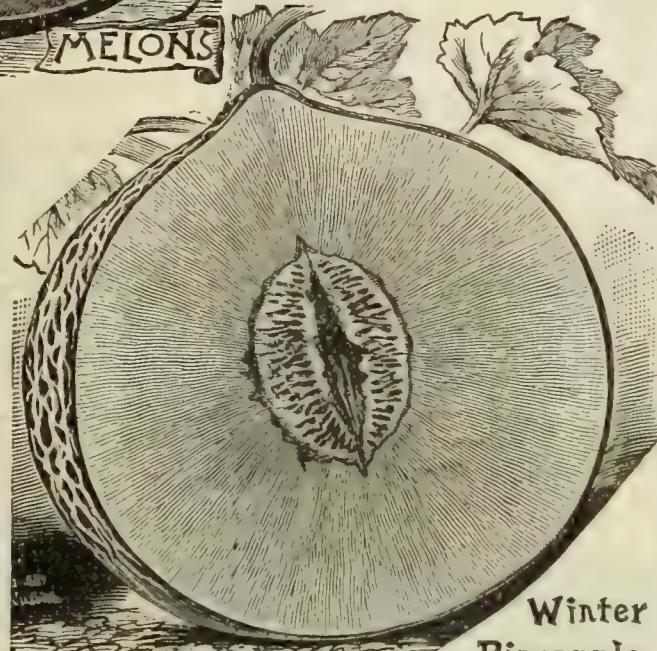
**IOWA MASTODON.**—The most extraordinary new variety ever offered and will create a sensation wherever seen. See description with novelties. Per pkt. of 25 seeds 10c.



BAY VIEW.

**BAY VIEW.**—This variety is one of the largest, most prolific, best flavored and finest melons in cultivation. In flavor it is luscious, sweet and deliciously rich. It has been grown to weigh from fifteen to twenty pounds and from fifteen to eighteen inches long. It is hardy, vigorous, and continues a long time in bearing. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**CHAMPION MARKET.**—A superb variety destined to become very popular. Almost a perfect globe in shape, and densely netted, making it one of the handsomest cantaloupes known. Flesh is thick, light green color, and rich, sweet flavor. Very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

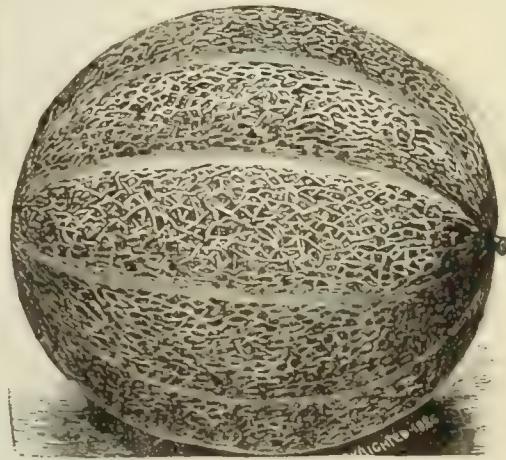


Winter Pineapple.

**NEW WINTER PINEAPPLE.**—This melon in appearance is entirely distinct from any other variety ever grown in this country. The outside skin instead of being netted, is deeply corrugated. They have the thickest flesh of any melon, with but a small seed cavity. Indeed they might be said to be almost solid. When ripe the outside skin is of rich yellow, intermingled with light green. The flesh is of a light green color, unusually spicy, melting and delicious. But the most remarkable and valuable feature of this new melon is its wonderful keeping qualities. They do not ripen on the vines like other musk melons, but have to be picked before hard frost and laid away in a cool, dry cellar, where they will keep sound and sweet for months. When wanted for use they must be brought into a warm room, where they will ripen up in a few days. They are hardy and very prolific. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**SHUMWAY'S GIANT.**—Of monstrous size, cream yellow, early, absolutely distinct, and with seeds more than twice as large as other sorts. A whole field of them will average 15 to 20 pounds each, and select specimens weigh more. Sweet and luscious with fine, melting, thick, salmon-colored flesh. Never stringy. The flavor is pleasant, not high, nor rank. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**IMPROVED CANTALOUPES.**—Large size, flesh of a light yellow color and delicious in flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



CHAMPION MARKET.

## MUSHROOMS.



MUSHROOMS.

The ease with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, wood-shed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. In market they are always wanted and sell readily at paying prices. There seems no limit to the demand, and an over-supply is seldom known. We recommend the English mushroom spawn as generally the better both for the market gardener and private planter.

**MUSHROOM CULTIVATION.**—Mushrooms can be grown in the cellar, barn, shed, or any dark room under a temperature of 50 to 60 degrees. If practicable divide your place in narrow beds three to five feet wide, prepare your ground by thoroughly mixing one part of common garden soil with two parts of fresh horse manure, free from straw or litter. This well mixed compound should be filled in your beds 12 to 15 inches deep and pounded down as much as possible. Fermentation will set in at once and after the temperature of your soil has declined to about 85 or 90 degrees, the bed is ready for spawning.

Attention from the first in the preparation of manure is one of the most essential points, then its condition when made into a bed, respecting the temperature at the time of planting the spawn. Make holes in your bed about ten inches apart, each to hold two or three pieces of spawn about the size of a walnut, then cover the same with two inches of light soil, pressing it solid all over the bed. In order to hold an even moisture in the soil protect your beds with three to four inches of straw, and if the surface should become a little dry, moisten this protecting straw carefully with luke-warm water. If the temperature is right mushrooms will begin to come up in about six to eight weeks, and the bed will continue bearing for about a month.

Price, per lb. not prepaid, 15c, 10 lbs. \$1.25, 25 lbs. \$2.50. If by mail, add 10 cents per pound for postage.

September 10, 1895.—Last spring I purchased seed of your Four Giant onions and planted them on the same day beside seed purchased from a Nebraska firm. Now the onions from your seed will arrive in size from that of a teacup to that of a dinner saucer, while the others are small and will make a fine crop of scallions. I will plant only your seed next year.

J. CLAY FOX, Rock Co., Nebraska.

September 22, 1895.—I never saw purer seed nor had it do better than yours. The Duke Jones watermelons were grown on sod ground and not cultivated, but in spite of the dry season they made a splendid crop. I cut one this morning which weighed 53 lbs.

W. R. BEASLEY, White Rock, Okla.

# WATERMELON.

*One ounce is required for sixty hills.*

Plant in hills eight feet apart and cultivate same as musk melon.

Thousands of melon growers annually depend on us for their seeds and are universally pleased, and claim that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Growers using a large quantity (not less than five dollars' worth) are entitled to market gardeners' prices and should send for special list.

**FORDHOOK EARLY.**—Was proved to be the largest early variety on the list, and we verily believe it to be the earliest of all. From seeds planted May 10th ripe melons were produced the last of July. The accompanying illustration, made from a photograph, well shows its shape. The rind is tough, making it valuable for shipping. Color a uniform medium green; seeds white; flesh bright red and very sweet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**VICK'S EARLY.**—Medium size, flesh bright pink, solid and sweet; said to be the earliest variety in cultivation. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**COLE'S EARLY.**—This new variety originated in Iowa, and is greatly liked by those who have tried it. Very early, hardy, vigorous, and a sure cropper; sweet, delicate flavor; flesh dark red. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**PEERLESS, OR ICE CREAM.**—(White seeded.) Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. We annually sell more seed of this than any other early melon on the list. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

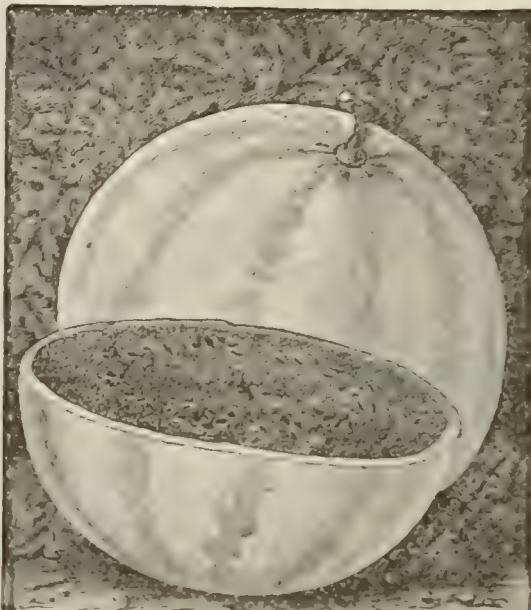
**TRUE DARK ICING, OR ICE BIRD.**—Very solid sort, thin rind, most delicious flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**BURPEE'S WHITE GEM.**—This is found indeed a gem, both in its unique, handsome appearance and delicious quality. It is very productive, and sets probably more fruit to the acre than any other watermelon in cultivation. The melons are round, of good average size for family use, weighing fifteen to twenty pounds each, and of a beautiful cream white color when ripe. The skin is tough and the rind is only a scant half inch in thickness. The flesh is a rich, bright pink, crisp, melting, very juicy and deliciously sweet in flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

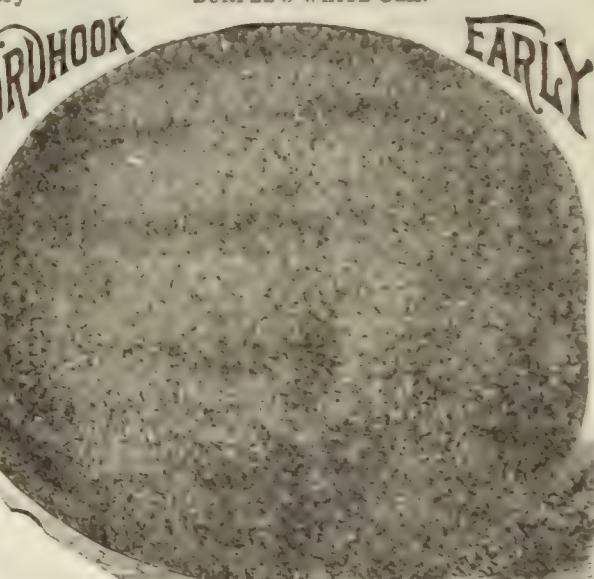
**STRIPED GYPSY, OR GEORGIA RATTLESNAKE.**—A favorite melon in the south for shipping to northern markets. An early variety, large, oblong, skin green, mottled and striped, rind thin, flesh crimson and fine flavored. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**GREEN AND GOLD.**—Large size, slightly oval; dark green outside, with blotches of fawn color when ripe. Flesh yellow as gold, sweet as sugar, and of unequalled flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**MOUNTAIN SWEET.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

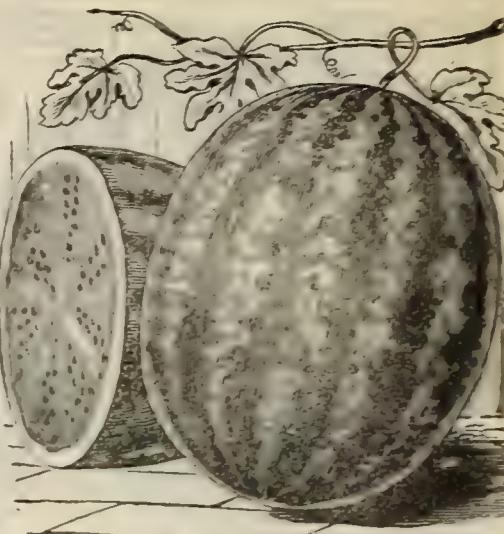


BURPEE'S WHITE GEM.



FOR A . . .  
Delicious  
Treat  
TRY THE  
Wonderful  
Sugar  
Melon.

LISTED ON PAGE 3.



PHINNEY'S EARLY

**PHINNEY'S EARLY.**—The melons are of medium size, oblong in shape and very uniform, the skin being mottled, as shown in illustration; flesh red and sweet. It is hardy and vigorous in growth and very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

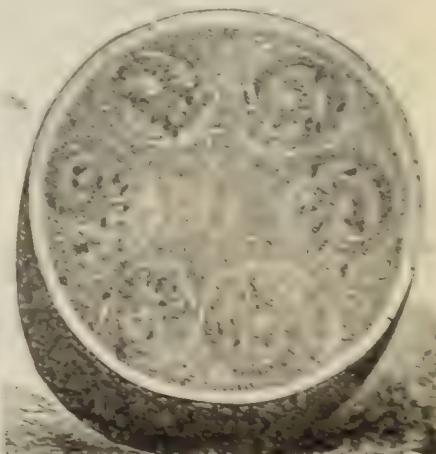
**ICE KING.**—Ripens about ten days earlier than Kolb's Gem, and is bound to take the place of that famous variety with those who grow melons for shipping purposes. Very productive, many of the vines maturing from six to eight large melons each. The flesh is of a scarlet color and fine flavor. Rind is thin and very tough. J. D. Corry, of Kansas, who is one of the most extensive melon growers in this country, writes us that the Ice King is the finest appearing melon he has ever seen out of twenty varieties, and that no melon can beat it in flavor. In fact, too much cannot be claimed for it. Don't fail to try this grand melon. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 85c.

**JOHNSON'S CHRISTMAS.**—Have been kept until Christmas in perfect condition. Their valuable keeping and shipping qualities are due to a peculiar hard, tenacious coating or outside enameling of the skin, which also gives them an exceptionally handsome and fresh appearance. The flesh is of a rich scarlet, very solid and of a delicious, spicy flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CUBAN QUEEN.**—Large size and productive; flesh bright scarlet and of good flavor; a good seller. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PRIDE OF GEORGIA.**—Very popular with Des Moines growers. It is of a dark green mottled color, nearly oval, ridged like an orange, grows partly upon its end, is firm, will ship well, attains a large size, and is very sweet and crisp. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 75c.

**OEMLER'S TRIUMPH.**—Originated in central Asia, of medium size, dark, glossy green color, and the sweetest of any variety we know of. The flesh is dark red, mottled with yellow; very early; excellent flavor. They are as easily raised as the Summer Crookneck squash, and are not affected by dry weather where other varieties fail. Seeds very small. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



OEMLER'S TRIUMPH.



**DIXIE.**—Very popular with melon growers in some sections. It originated on the farm of a truck grower in North Carolina and is a cross between the Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is from eight to ten days earlier than either, has a remarkably thin, tough rind, and will keep and ship well. Each vine matures seven to eight large melons. The vines are strong and rapid growers and have more laterals than other varieties. A peculiarity is that it roots at almost every joint. This valuable characteristic enables it to withstand the drouth and greatly increases its duration and yield. The flesh is bright scarlet, of fine quality almost down to the skin. The melons are of a dark green color and most beautifully striped; of oblong shape. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**FANCY KOLB'S GEM.**—Grown by one of the best watermelon growers in the U. S. from carefully selected, pure stock, and this seed is taken from melons weighing not less than 40 lbs. each. Both ends of these melons are cut off and seed saved only from the middle part. Seed selected in this way always gives the best satisfaction, and one pound of it is worth more than ten pounds of unselected seed to the grower who caters to the best trade. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**DUKE JONES.**—Last year we introduced this grand new variety to our customers and it pleased everyone. The Duke Jones originated in the great melon growing region of the south and has created great interest among the growers who have had the privilege of seeing it. The shape is well shown by our engraving. It has a dark green rind slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than the Kolb's Gem. Is sure to be a favorite with melon growers. A carload of 800 melons averaging 43 pounds each were gathered from two thirds of an acre. A prominent grower writes that they produced ripe melons sixty-five days from planting. One of the largest fruit dealers in Cleveland, Ohio, says: "We had the pleasure of handling several carloads of the Duke Jones melon and they were the finest melons we ever had, making the best appearance and being the best eating melon." Don't fail to try it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**KOLB'S GEM.**—This variety, on account of its earliness and excellent shipping qualities, is largely grown for shipping purposes. They grow nearly round, and the color is a dark green with narrow stripes of lighter shade. The rind, though quite thin, is very tough. Flesh bright red and of good flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**20 VARIETIES** of the finest watermelons, the largest, earliest, sweetest and best in cultivation. Grown separate and carefully mixed by us. A chance to test all kinds at a low cost. Try them. Per pkt. 5c, oz. 10c.

**DIXIE.**

**WONDERFUL SUGAR.**—See Novelties. Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**NABOB.**—See Novelties. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**ORANGE.**—See Novelties. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**SWEET HEART.**—See Novelties. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

## CITRON MELON.

**COLORADO PRESERVING.**—It makes beautiful, clear, transparent preserves of perfect flavor. Very productive. Green seeds. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**RED SEEDED CITRON.**—The old popular sort for preserving. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

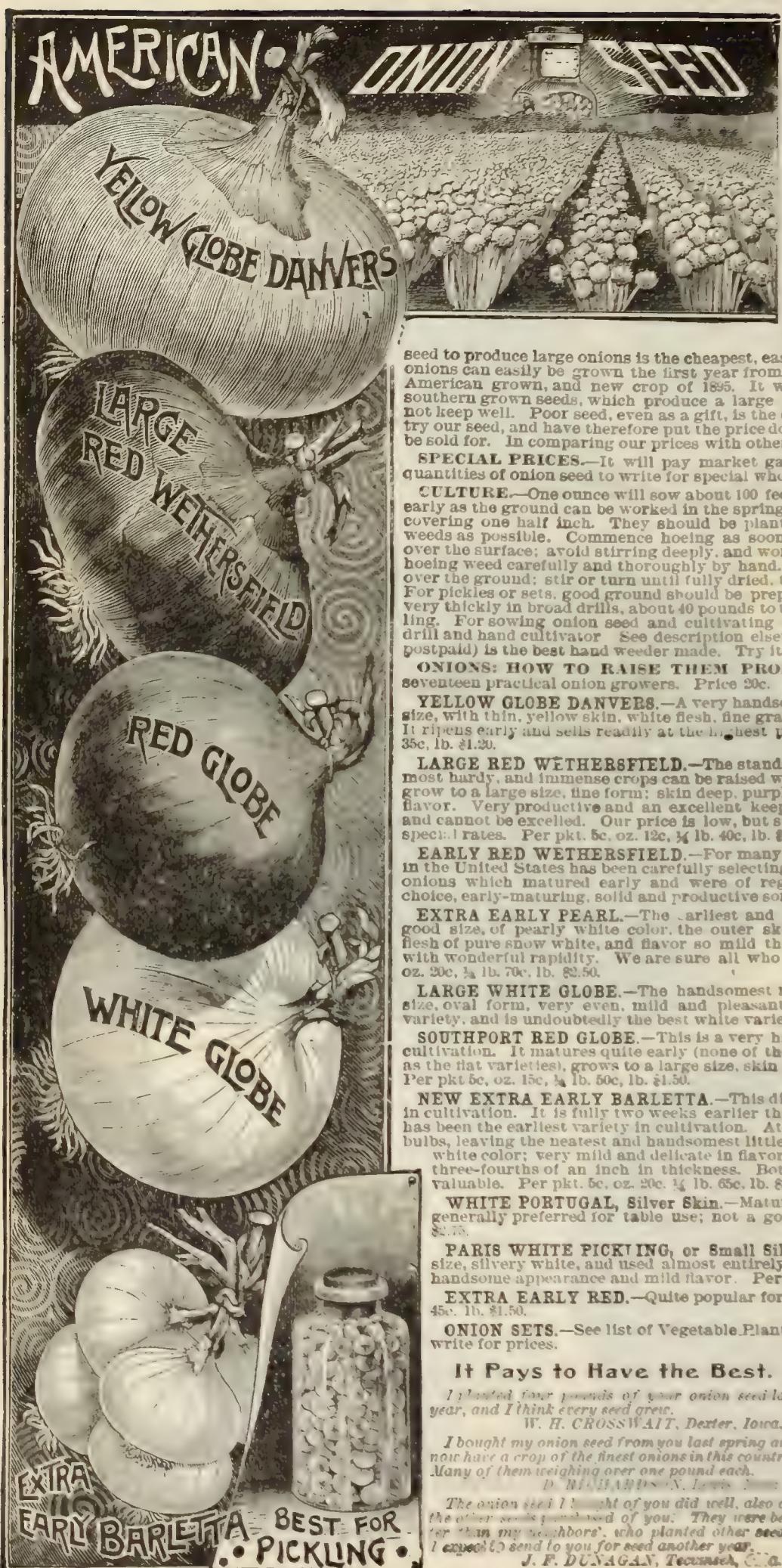
**FANCY KOLB'S GEM.**

Over \$500 From One Acre!

Don't fail to examine our offer of prizes for the best acre of . . . .

**Iowa • Silver Mine • Corn.**

See Field Seed List and back of corn plate.



## ONION.

One of the most important crops grown, both in market and family gardens, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than in onions. There is more money in onions grown from seed than in almost any other crop. Good onion seed is of the utmost importance. Fully realizing this, we have for some years made a specialty of onion seed, and have all our crop raised under special contract, subject to careful supervision. Our onion seed is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested. The crop of some varieties of onion seed is very short this year and prices are apt to advance in the wholesale market; still we shall not advance our retail price as long as the present supply lasts. Sowing

seed to produce large onions is the cheapest, easiest, best and most satisfactory way. Large onions can easily be grown the first year from the seed by obtaining our seed, which is all American grown, and new crop of 1895. It won't pay you to use the cheap, imported, or southern grown seeds, which produce a large proportion of scallions and onions that will not keep well. Poor seed, even as a gift, is the dearest the planter can use. We want you to try our seed, and have therefore put the price down to as low a rate as good, reliable seed can be sold for. In comparing our prices with others, remember that WE PAY THE POSTAGE.

**SPECIAL PRICES.**—It will pay market gardeners and onion growers who use large quantities of onion seed to write for special wholesale prices, stating quantity required.

**CULTURE.**—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. As early as the ground can be worked in the spring, sow the seed in drills fourteen inches apart, covering one half inch. They should be planted in rich, sandy soil, which is as free from weeds as possible. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb. For pickles or sets, good ground should be prepared as above, and the seed should be sown very thickly in broad drills, about 40 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder (price 30 cents, postpaid) is the best hand weeder made. Try it.

**ONIONS: HOW TO RAISE THEM PROFITABLY.**—Being the practical details by seventeen practical onion growers. Price 20c.

**YELLOW GLOBE DANVERS.**—A very handsome, round or globe-shaped variety, of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early and sells readily at the highest prices in our markets. Per pkt. 5c, oz. 10c, lb. 35c, lb. \$1.20.

**LARGE RED WETHERSFIELD.**—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender varieties would fail. They grow to a large size, fine form; skin deep, purplish red; moderately fine grained and strong flavor. Very productive and an excellent keeper. Our seed of this variety is extra select and cannot be excelled. Our price is low, but should you want five pounds or more, ask for special rates. Per pkt. 5c, oz. 12c, lb. 40c, lb. \$1.40.

**EARLY RED WETHERSFIELD.**—For many years one of the largest onion seed growers in the United States has been carefully selecting, each season, the most perfect, even-shaped onions which matured early and were of regular, uniform size. The result is an extra choice, early-maturing, solid and productive sort. Per pkt. 5c, oz. 15c, lb. 45c, lb. \$1.50.

**EXTRA EARLY PEARL.**—The earliest and best of all the American varieties. It is of good size, of pearly white color, the outer skin having a most showy, waxy appearance; flesh of pure snow white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity. We are sure all who try it will be greatly pleased. Per pkt. 5c, 20c, 1/2 lb. 70c, lb. \$2.50.

**LARGE WHITE GLOBE.**—The handsomest market variety we have ever seen. Large size, oval form, very even, mild and pleasant flavor, good keeper, out-sells every other variety, and is undoubtedly the best white variety. Per pkt. 5c, oz. 25c, 1/4 lb. 85c, lb. \$2.75.

**SOUTHPORT RED GLOBE.**—This is a very handsome variety and is deserving of general cultivation. It matures quite early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Per pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

**NEW EXTRA EARLY BARLETTA.**—This distinct new variety is the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety in cultivation. At maturity the tops die down directly to the bulbs, leaving the neatest and handsomest little bulbs imaginable. They are of pure, paper white color; very mild and delicate in flavor; one inch to one and a half in diameter, and three-fourths of an inch in thickness. Both for table use and for pickling it is most valuable. Per pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.00.

**WHITE PORTUGAL, Silver Skin.**—Matures early, very mild flavor, medium size, and generally preferred for table use; not a good keeper. Per pkt. 5c, oz. 25c, 1/4 lb. 85c, lb. \$2.75.

**PARIS WHITE PICKLING, or Small Silver Skin.**—For pickling. This is of small size, silvery white, and used almost entirely for pickling on account of its small size, handsome appearance and mild flavor. Per pkt. 5c, oz. 15c, 1/4 lb. 55c, lb. \$1.75.

**EXTRA EARLY RED.**—Quite popular for early marketing. Per pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50.

**ONION SETS.**—See list of Vegetable Plants and Roots. If you want a large amount, write for prices.

### It Pays to Have the Best.

I planted four pounds of your onion seed last year, and I think every seed grew.

W. H. CROSSWELL, Dexter, Iowa.

I bought my onion seed from you last spring and now have a crop of the finest onions in this country. Many of them weighing over one pound each.

D. R. HARRISON, N. L., Ia.

The onion seed I bought of you did well, also all the other seeds I ordered of you. They were better than my neighbors', who planted other seeds. I expect to send to you for seed another year.

J. F. DUNAGAN, Tecumseh, O. A.

### FREE FOR TRIAL.

We have imported from the Canary Islands a small quantity of a choice new variety of onion seed. The quantity is so limited that we do not offer it for sale but will gladly send you a packet of CANARY ISLAND ONION for trial if you request it when sending order for other seeds.



**MAMMOTH PRIZETAKER.** (No. 1.)—An American improvement on Spanish King, and is admittedly the largest of all varieties, having been grown to the enormous weight of OVER SIX POUNDS, and is withal a handsome, fine-flavored sort. Of a clear, bright straw color and uniform perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the U. S. They ripen up hard and fine, and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild, and delicate in flavor. Per pkt. 5c. oz. 20c.  $\frac{1}{4}$  lb. 65c. lb. \$2.25.

**GIANT VESUVIUS.** (No. 4.)—This grand new mammoth variety which we offered for the first time two years ago, is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent. Much more tender and mild than the American sorts. Per pkt. 10c. oz. 30c.  $\frac{1}{4}$  lb. 85c. lb. \$2.50.

## BIG ONIONS

Be sure to include the **FOUR GIANT ONIONS** in your order this year, and try for that **\$10 PRIZE** which we offer for the largest onion grown from our

seed this year, which must be delivered to us by the 15th of October.

seed this year, which must be delivered to us by the 15th of October.

**COPPER KING or Mammoth Pompeii.** (No. 2.)—Have been grown to the enormous weight of FIVE POUNDS AND SIX OUNCES, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Beautiful copper color; flesh pure white, fine grained and mild. Per pkt. 5c. oz. 20c.  $\frac{1}{4}$  lb. 65c. lb. \$2.00.

**MAMMOTH SILVER KING.** (No. 3.)—Attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from two and one-half to four pounds each. The skin is a beautiful silvery white; the flesh is snowy white, and of a particularly mild and pleasant flavor. So sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect form, and will bring a large price in the market. Per pkt. 10c. oz. 25c.  $\frac{1}{4}$  lb. 85c. lb. \$2.75.

Sept. 23, '95.—The seeds received from you gave perfect satisfaction in every instance. The Washington Wakefield cabbage headed finely.

C. B. CHAPMAN,  
Sandersonville, Ga.

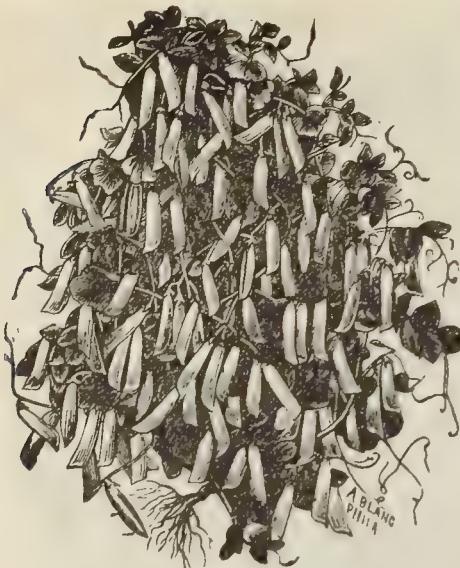
The \$10.00 prize for 1895 was awarded to J. Clay Fox, of Rock Co., Neb., for an onion weighing one pound and nine ounces. Try for the prize this year, and you can perhaps raise a larger one and get the ten dollars. Give the Four Giants a trial.

## THE FOUR GIANTS

ONE PACKET EACH OF

The Mammoth Prizetaker, Copper King, Giant Vesuvius, and Silver King,

FOR ONLY 20 CENTS. TRY THEM.



REED'S EARLY PRIZE.

which needs no bushing. It is very sweet and in length by over two inches in circumference can be taken at one picking. All should try it.

\*CHAMPION OF ENGLAND.—One of the richest and best flavored peas grown. Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 35c.

\*YORKSHIRE HERO.—Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

WHITE MARROWFAT.—Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 39c.

\*TELEPHONE.—Immensely productive, of the finest quality and excellent, sugary flavor; vines very strong; the pods are of large size, with six or seven large, delicious peas; height four feet. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

\*BLISS ABUNDANCE.—Height 20 inches; time of ripening, medium, remarkably strong, vigorous, branching habit, and unusually productive; pods of fair size, and well filled with peas of good quality. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

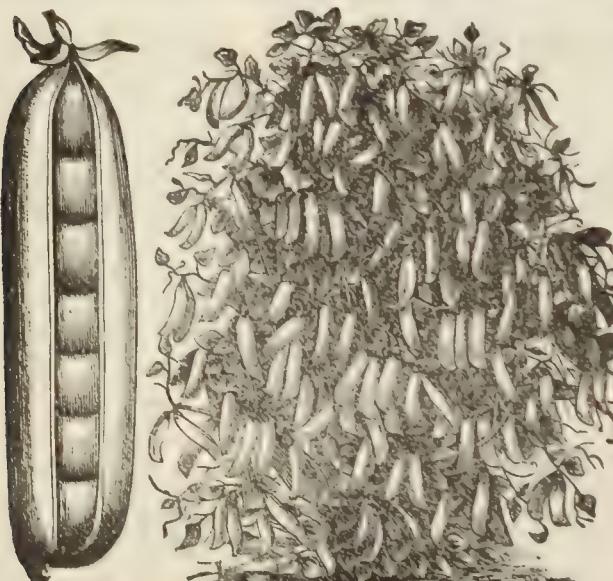
\*BLISS EVERBEARING.—Height two feet; late to very late; hardy, vigorous, enormous cropper; pods and peas of large size and good quality. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

\*STRATEGEM.—Decidedly the best late variety for family or market use. Pods long and filled with seven to nine large peas of extra fine quality. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

\*IMPROVED ADVANCER.—Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

BLACK-EYED MARROWFAT.—Per pkt. 5c,  $\frac{1}{2}$  pt. 10c, qt. 30c.

DWARF SUGAR.—Edible pods; use like snap beans. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.



NOTT'S EXCELSIOR.

## PEAS.

*One quart will plant about 100 feet of drill.*

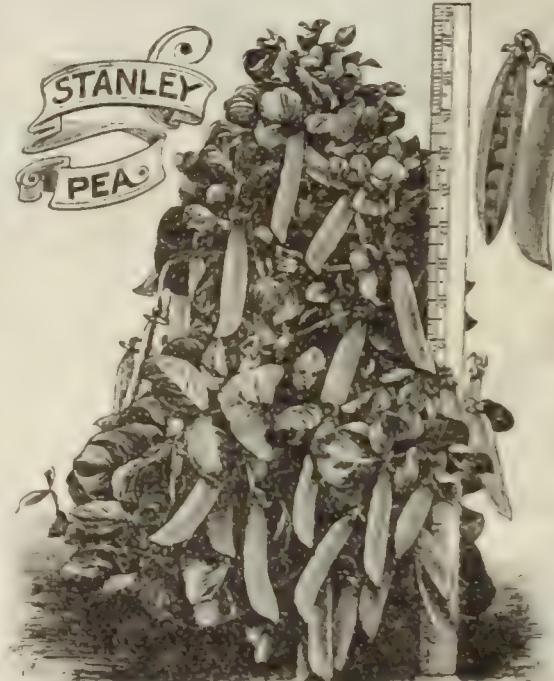
Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession, every two weeks up to July, or what is better, select several kinds which will form a succession in maturing. Sow in drills two to four feet apart, according to varieties, not less than four inches deep for general crop, although the first earlies will come to maturity sooner if only covered one and one-half to two inches. Wrinkled sorts are marked \*. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot.

Prices include postage. Pints at one-half the quart rates. Fifteen cents per quart discount if sent by express. See special prices by the peck or bushel on page 29.

**REED'S EARLY PRIZE.**—A cross between Tom Thumb and the Advancer. Grows eighteen inches high, being slightly taller than Premium Gem, and, while equally early, it is decidedly a better cropper than either that or Tom Thumb. Pod large, heavy and well filled. Although equal to the wrinkled varieties in sweetness and flavor, it can be planted earlier than these without danger of rotting. Its combination of earliness, dwarf growth, yield and quality, with the large size and good filling of the pod, insures its future. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**\*THE STANLEY.**—This very handsome new variety is well shown by the accompanying illustration. It is a grand medium early wrinkled pea, with well filled pods, larger than the Strategem, a tremendous cropper, with dwarf, stocky vine, of delicious flavor; full grown pods often measure four inches in length and mature very uniformly, so that nearly the entire crop can

be taken at one picking. Per pkt. 10c,  $\frac{1}{2}$  pt. 20c, qt. 65c.



IOWA CHALLENGE.

**IOWA CHALLENGE.**—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in all confidence say that after a trial of nearly all extra early varieties offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has 100% superiority. It is not only extremely early and prolific, but it is of good flavor. All the good qualities of the extra early are most nearly brought to perfection in the Challenge. Vines, eighteen inches. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 45c.

**CLEVELAND'S ALASKA**—Height two feet, pods rather small, dark green color, remarkably well filled; often seven to nine peas; the earliest pea known, being two days earlier than the Rural New Yorker, and ninety per cent of the pods can be gathered at the first picking. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**\*PREMIUM GEM.**—Height one foot; early and prolific; a type of and an improvement on, the McLean's Little Gem. Pods long and of a dark green color. The most popular sort for family use. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**\*BLISS' AMERICAN WONDER.**—Early and prolific dwarf wrinkled pea. On good soil each vine will average twelve pods and each pod six peas. The vine grows from eight to ten inches high. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 50c.

**RURAL NEW YORKER.**—Very early and of most even growth and maturity; 80 to 90 per cent of the pods can be removed at one picking. Per pkt. 5c,  $\frac{1}{2}$  pt. 15c, qt. 40c.

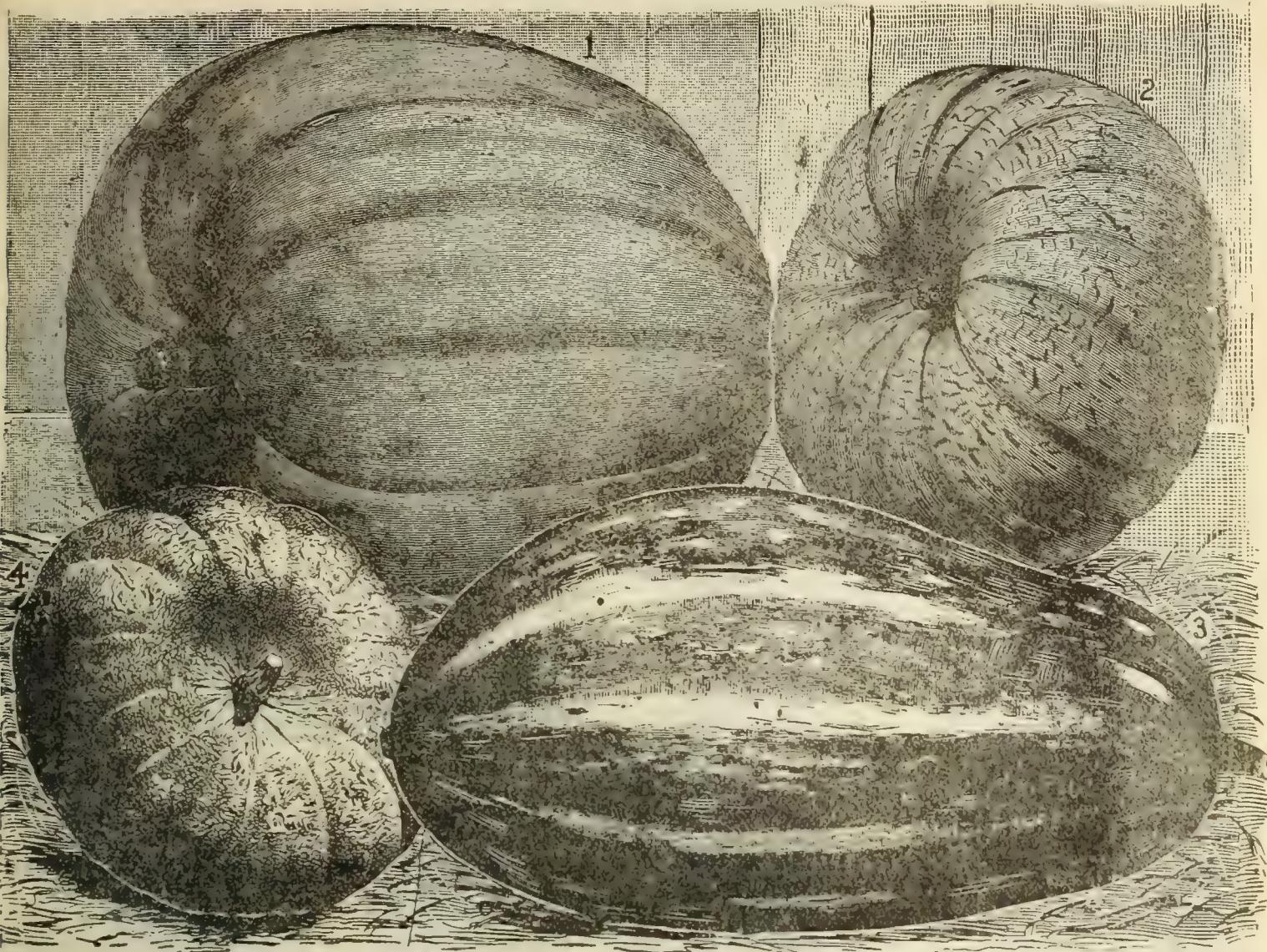


**\*NOTT'S EXCELSIOR.**—We are pleased to offer this superb new variety, and are sure our customers will be delighted with it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas, having matured in forty-three days. Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting. Quality very superior." Per pkt. 5c,  $\frac{1}{2}$  pt. 20c, qt. 65c.

**FIRST AND BEST.**—It is an improvement on the Philadelphia Extra Early. Pods good size and well filled with smooth peas of excellent flavor. Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 40c.

**DWARF WHITE MARROW.**—Per pkt. 5c,  $\frac{1}{2}$  pt. 12c, qt. 35c.

**FIELD PEAS.**—See list of Miscellaneous Field Seeds



## PUMPKIN.

*One pound will plant about 250 hills.*

Principally used for agricultural purposes, but there has been a great improvement in the varieties during the past few years by the introduction and hybridization of foreign varieties with our old sorts. Plant in hills eight feet apart in May, among potatoes, or corn, or in open field.

**MAMMOTH CHILI.** (See cut, No. 1.)—Really a squash, but it looks more like a pumpkin, and we list it here so as to have the mammoth pumpkins together. This is the largest of the squash family and attains the most astonishing weights. One specimen weighing 481 pounds was shown at the World's Fair having been grown in California, and from 100 to 260 pounds is a common weight with ordinary culture. Our seed has been selected from the large and perfect specimens only of our own growing. The flesh is a rich yellow, very thick and of excellent quality, highly nutritious. They are profitable to grow for stock feeding. They keep well throughout the winter. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**KING OF MAMMOTHS.** (No. 2.)—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. The one from which our cut was made reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins from 90 to 101 pounds each in weight—over 640 pounds grown from one seed. Farmers and gardeners, just think of that kind of a crop. Will it not pay you to grow the King of Mammots and exhibit them at your county fair? Our seed was saved from large select specimens of our own growing. Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

### TRY THE COLLECTION OF Mammoth Pumpkins.

One packet each, Mammoth Chili, King of Mammots, Mammoth Tours and Mammoth Etampes for **ONLY TWENTY CENTS!**

**\$25 PRIZE!** We send with each collection instructions for growing, and offer a cash prize of \$15.00 for the largest pumpkin or squash, and a prize of \$10.00 for the second largest one grown from our seeds. Prizes will be awarded October 15th.

**MAMMOTH TOURS.** (No. 3.)—Also called Mammoth Whale. Originated near Tours, France, where it is largely grown, both for feeding cattle and for table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Color outside an ashy grey, or pale green, showing an inclination to be striped, but most specimens are more blunt at blossom end than our cut shows. Flesh of a salmon color and fair quality. Seed of peculiar shape. Seeds have sometimes been sold at fairs at 10 to 25 cents each. Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**MAMMOTH ETAMPES.** (No. 4.)—A giant variety from France, where it is quite celebrated. Grown in this country to enormous size; bright, glossy red color, and a splendid variety to grow for exhibition. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**JAPANESE PIE.**—Flesh very thick and of a rich salmon color, nearly solid, the seed cavity being small; fine grained, dry and sweet, making pies as rich without eggs as others do with. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CONNECTICUT FIELD.**—The common field or cow pumpkin, grown principally for stock. Per oz. 5c,  $\frac{1}{4}$  lb. 10c, lb. by mail 30c. By express or freight, 10 lbs. \$1.50, 25 lbs. \$3.00.

**WHITE CUSHAW.**—Attractive and sells much better than the old green striped sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 85c.

**TENNESSEE SWEET POTATO.**—Medium size, flesh thick, creamy white, fine grained and of excellent flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**LARGE CHEESE.**—A flat variety commonly called Sweet pumpkin throughout the west. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**YANKEE PIE.**—This is the noted New England Pie or Small Sugar pumpkin. It is the same shape and color as the Connecticut Field, but smaller and very sweet. One of the best varieties for table use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



## PRIZES FOR 1895

The first prize was awarded to Ed. Smith, of Larimer county, Colorado, weight 171 pounds. The second prize was awarded to E. J. Duffield, of Dallas county, Iowa.

# RADISH.



IMPROVED CHARTIER.

to admit of close planting. No matter whether grown in the garden or in hotbeds, you can depend on a remarkably perfect, early and uniform crop. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.00.

**NON PLUS ULTRA.**—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality and of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots, of very bright color and excellent shape; certain to insure ready sale on the market. It is by far the best strain of early radishes for forcing. Beds are planted, the crop matured and sold, and the same bed made ready for a second planting all in thirty days. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WOOD'S EARLY FRAME.**—About ten days earlier than Long Scarlet, which it very much resembles, although not quite so long. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**WHITE LADY FINGER.**—An improvement on the White Naples, or Vienna. A large, white, crisp variety, about as long as Long Scarlet and similar in shape. A very desirable sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



MODEL WHITE BOX.

One ounce will sow about 100 feet of drill; eight to ten pounds will sow an acre in drills.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks until mid-summer. Radishes must be grown quickly, and have plenty of room, or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

**VICK'S EARLY SCARLET GLOBE.**—A most excellent early radish for garden culture, and for hotbed forcing there is no variety so desirable as the Early Scarlet Globe. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more rapidly than any other shaped sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**IMPROVED CHARTIER.**—Decidedly distinct in appearance from any radish in cultivation. Its form is well defined by our engraving, the color at the top being crimson, running into pink at about the middle, and from thence downward is a pure, waxy white. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**NEW GOLDEN DRESDEN.**—All who saw this charming variety at our trial grounds the past season were most favorably impressed with it. It was a little beauty, with golden brown skin, white flesh, crisp, juicy, and of finest flavor. One of the quickest growing sorts, and tops are so small as

**FRENCH BREAKFAST.**—A handsome table variety of medium size quick growth and fine quality. It is oval shaped, scarlet tipped with white, very crisp and tender. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**EARLY LONG SCARLET SHORT TOP.**—Very popular with gardeners and for family use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**EARLY SCARLET TURNIP.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**CALIFORNIA MAMMOTH WHITE.**—A winter variety, growing twelve inches long, white fleshed, firm and of excellent quality. It is the largest radish grown. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 85c.

**LONG BLACK SPANISH.**—A popular winter sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CHINA ROSE WINTER.**—One of the best winter varieties, a general favorite, bright rose colored, flesh white, firm, and of superior quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GIANT WHITE STUTGART.**—Flesh and skin are both snowy white, very crisp, mild and of good flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



NEW GOLDEN DRESDEN.

**MODEL WHITE BOX.**—A great improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, as shown by our illustration. It is very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes," and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy, and unsurpassed in flavor. In all respects a model radish for early use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.

**ROSY GEM.**—This wonderful new radish is an improvement on the Scarlet Turnip White Tip, and has won golden opinions in all sections of the country. Their shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, equally desirable for either the market or home garden, and should be planted by everybody. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

## Consider This!

If you have a small patch of ground no matter how small, there is no way in which you can get as much satisfaction out of it as by growing lettuce, radishes, etc. Their greatest merit consists in being FRESH AND CRISP.



VICK'S EARLY SCARLET GLOBE.



**WHITE STRASBURG.**—The roots, as shown in illustration, are of handsome, oblong, tapering shape; both skin and flesh are of pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining the crispness even when the roots are old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**IOWA SEED CO.'S PERPETUAL WHITE SUMMER.**—This variety, introduced by us, has given splendid satisfaction to all who tried it. Their shape is well illustrated by the accompanying engraving. They are pure white, of uniform good quality, crisp and brittle, and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year and will always produce good radishes fit for market earlier than the Chartier, and keep in perfect shape for marketing for about four weeks, or longer for home use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.25.

**MIXED RADISHES.**—This is a mixture of over twenty choice varieties of early, medium and late radishes. You will certainly have radishes all summer and be surprised at the results, if you give it a good place in the garden. For several years we have sent out large quantities of this mixture, and our customers have been much pleased with it. Our illustration will give you some idea of the possibilities from a packet of this seed. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



MIXED RADISHES.

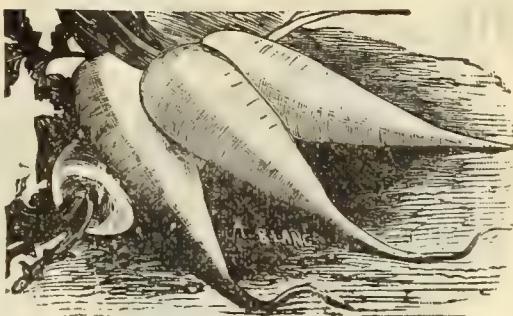


**PERP. WHITE SUMMER.**—handsome shape, ivory white in color. Stump rooted, and of the best quality. Never pithy. Do not sow seed until after the first of June. When sown in July they do well. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

*The Chartier radishes from your seed are simply superb. J. FULKERSON, Andover, Mo.*

*I used your seeds last year and liked them very much. MRS. T. G. SMITH, Peru, Ia.*

*From seeds purchased of the Iowa Seed Co. last year I was enabled to win four prizes on vegetables at our county fair. Seeds are always satisfactory. HENRY WEST, Rhodes, Iowa.*



WHITE STRASBURG.

**GOLDEN GLOBE.**—One of the best summer radishes, amber flesh, and keeps long in good condition; extra fine quality and rapid growth. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.

**ALL SEASONS.**—Introduced by us in 1880 and proved a valuable acquisition, being greatly liked by all who gave it a fair trial. It was from China, and we sent it out after testing in California one year. In this State it does not prove to be early, but makes a most excellent summer and fall radish, and even keeps well for winter use. It is of

handsome shape, stump rooted, and of the best quality. Never pithy. Do not sow seed until after the first of June. When sown in July they do well. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



GOLDEN GLOBE



ALL SEASONS RADISH.

Guernsey stock parsnip, which is not good for table use. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper: the roots are smooth, with a deep hollow crown and small top. The flesh is fine grained and sweet, and of excellent quality. Cooks evenly all the way through to the center, which is as fine and soft and even in quality as outside portions. It is sure to please all who try it. Crop very short this year. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

## PARSNIP.

*One ounce will sow 200 feet of drill; five pounds to an acre.*

Sow early in spring in good rich soil, which has been plowed deep, in drills fifteen inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by frost.

**I. S. CO.'S IMPROVED TABLE GUERNSEY.**—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown parsnip. It is strictly a table variety, and has no resemblance to the

Guernsey stock parsnip, which is not good for table use.

The roots do not grow as long as the Hollow

Crown, but are of greater diameter and more easily gathered.

It is a very heavy cropper: the roots are

smooth, with a deep hollow crown and small top.

The flesh is fine grained and sweet, and of excellent

quality. Cooks evenly all the way through to the center,

which is as fine and soft and even in quality as outside portions. It is sure to please all who try it. Crop very short this year. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

Average a third larger than Ruby King. Eight to ten inches long, bright, waxy, golden yellow, and are very mild in flavor. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c.

**RUBY KING.**—The peppers frequently attain to a very large size,

4 $\frac{1}{2}$  to 6 inches long, by 3 $\frac{1}{2}$  to 4 inches thick. When ripe they are of a

beautiful bright ruby red color, and are always remarkably mild and

pleasant to the taste. Each plant produces from six to twelve large

handsome fruits. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c.

**CELESTIAL.**—When they are fully ripe they are of a delicate creamy

yellow color, then suddenly change to an intense vivid scarlet. The

brilliant contrast in colors makes a plant loaded with fruits an object

of striking beauty and oddity. The peppers are of superior quality, of

a clear, sharp flavor. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c.

**RED CLUSTER.**—Similar to the Chili, but smaller and more produc-

tive. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c.

**RED CHILLI.**—Small, very hot. Used everywhere for pepper sauce. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**CORAL GEM BOUQUET.**—This new red-hot pepper is the finest of the small-sized varieties, and

makes a very pretty ornamental plant for growing in pots. Excellent for pepper sauce. Pkt. 10c, oz. 50c.

**LARGE BELL or Bull Nose.**—An early standard sort. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c.

**SWEET MOUNTAIN or Mammoth.**—Similar to above, but milder. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c.

**RED GAYENNE.**—Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 90c.



RUBY KING.

## PEPPER.

*One ounce will produce about 1,800 plants.*

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows eighteen inches apart. Seeds germinate slowly, and require considerable heat.

**MAMMOTH GOLDEN QUEEN.**—Average a third larger than Ruby King. Eight to ten inches long, bright, waxy, golden yellow, and are very mild in flavor. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c.

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4 $\frac{1}{2}$  to 6 inches long, by 3 $\frac{1}{2}$  to 4 inches thick. When ripe they are of a

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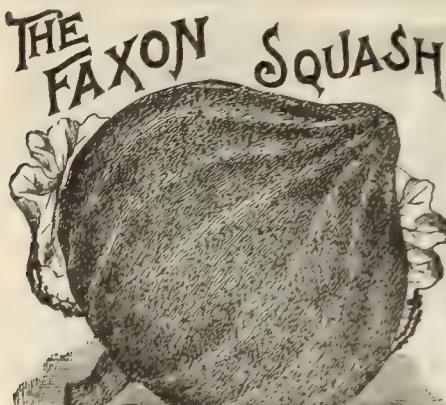
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**RED GAYENNE.**—Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 90c.





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**WHITE BUSH SCOLLOPED.**—Similar to the Golden Bush. Color creamy white. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**WHITE CHESTNUT.**—The shape of this very distinct new variety is well shown by our cut. The outside skin is creamy white while the flesh is lemon yellow, fine grained, sweet, and most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard, fully equaling it in productiveness and keeping qualities. This squash is creating quite a furore in the eastern states, where gardeners pronounce it the very best squash they have ever grown. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**EARLY PROLIFIC MARROW.**—Very early and productive—the two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**MEXICAN BANANA.**—Originated by crossing imported varieties. It is sweet, rich, finest grained meat, good keeper, and the heaviest for the size of any ever grown. The size is from two to three feet long, and it weighs from thirty to fifty pounds. Dark green color, magnificent bearers, for fall and winter use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20.

**MAMMOTH CHILI.**—This is certainly the largest variety of squash (or pumpkin, as some call it) grown. See more full description with pumpkins. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**AMERICAN TURBAN.**—It is fine grained, very dry, sweet, and of delicious flavor. For fall and winter use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 80c.

**MARBLEHEAD.**—A splendid winter variety, shell very hard, of a light blue color; flesh equal to the Hubbard in quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**VEGETABLE MARROW.**—A favorite English sort. The fruit is variable in size, from nine to eighteen inches in length and from four to six inches in diameter. Skin a greenish yellow, flesh white, soft and of rich flavor. Plant eight feet apart. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**HUBBARD.**—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet, and of a rich flavor; keeps in perfect condition throughout the winter. Seed is of our own growing and extra select. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**SIBLEY, OR PIKE'S PEAK.**—Originated in Iowa. Claimed to be a great improvement on the Hubbard. The form, correctly shown by the cut, is obviously entirely new, having the stem at the swell end. The shell is pale green in color, very hard and flinty, but at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick, and a rich, delicate flavor peculiarly its own; more productive and a better keeper than either the Hubbard or Marblehead, and we prefer it for our own table use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



HUBBARD.

## SQUASH.

One ounce early varieties will plant about forty hills; one ounce late will plant twenty hills; four to six pounds to the acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in each hill. The soil cannot be too rich.

**THE FAXON.**—(New.) The flesh is a deep orange yellow, cavity very small and seeds few; the special peculiarity, however, is that while uncooked it appears to have a shell like any squash, but when cooked there is practically none, the shell, or inedible part, being only about as thick as a sheet of writing paper. One of the best squashes we ever tasted, sweet and very dry, and for squash pies it must be tried to be appreciated. It matures early and can be used as a summer squash. It is a very late keeper, keeping in perfect condition to April or May. Of superior quality whether it is ripe or green. This is a very desirable feature, as many squashes (the Hubbard especially) must be thoroughly ripe before frost, or the crop is lost. Productive, of medium size and the best possible quality. The vines are somewhat longer than most other sorts and fruit varies in color, but these seem to be its only defects. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

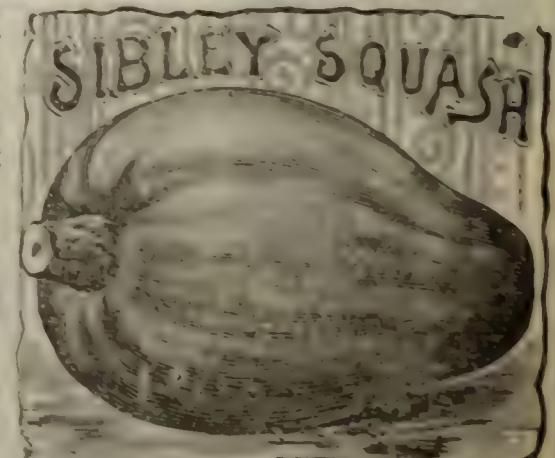
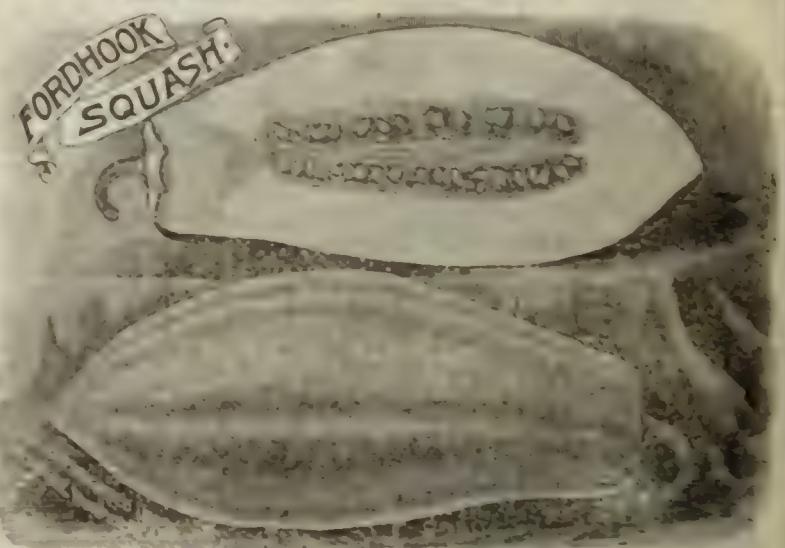
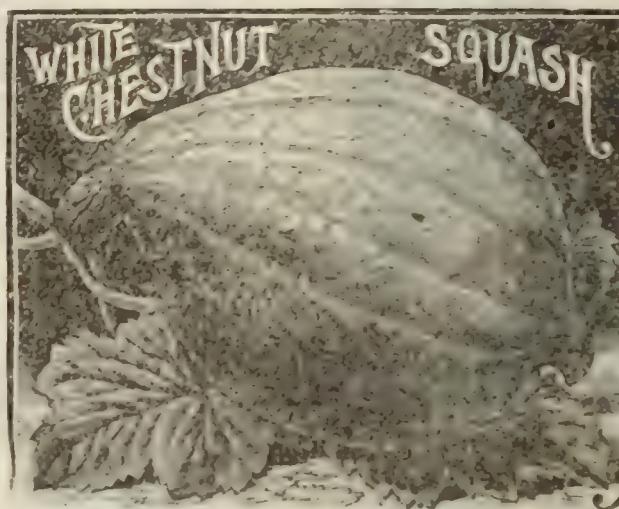
**GOLDEN BUSH.**—It is thicker, larger, and superior in every way to the old varieties. Very early. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**EARLY BUSH CROOKNECK.**—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out, many claim that there is no summer squash superior to this. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**FORDHOOK.**—The engraving here-with, which is accurately reproduced from a photograph, shows the shape of the squash and the solidity of a section. It is extremely handsome of a bright yellow outside and straw yellow within. The flesh is dry and sweet and of the best quality. Placed in a cool, dry room, it keeps in perfect condition throughout the winter. The stem is thin and hard, and also the roots, consequently it is free from the attacks of the squash borer. Matures early and is everywhere a sure cropper and immensely productive. Another feature is that the green squashes can be used at any stage of their growth. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**ESSEX HYBRID.**—A most excellent variety. It is the earliest of the winter sorts, and can therefore be planted later in the season than most others. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**BOSTON MARROW.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 65c.

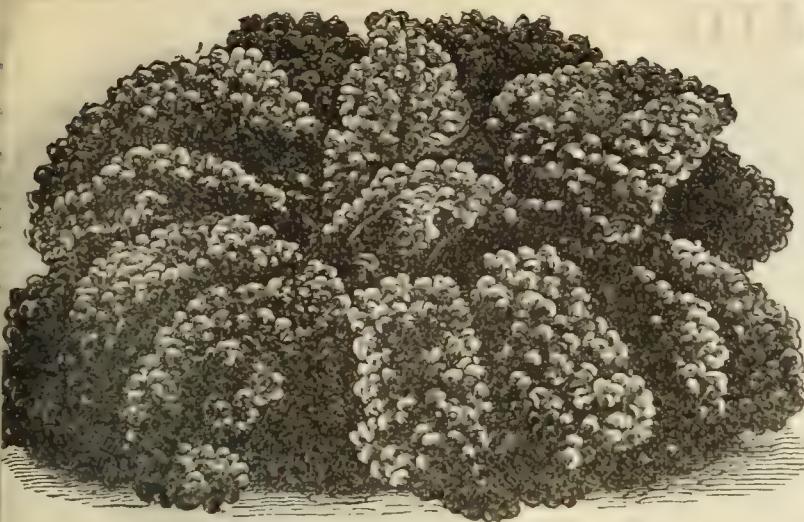


I bought seed of the Short Stem Drumhead Cabbage last year, and it did well and is true to name. Some heads weighed 12 pounds without stem. It's the seed I mean to plant another year. I have tried different seed houses, but find yours the best.

H. M. CROUSE, Pearl City, Ill.

The cabbage grown from your seed last year were the largest grown in this community and the best in the Cairo market. You may expect my orders in the future.

BERT BARKER, East Prairie, Mo.



LONG STANDING SPINACH.

dry, arid localities. A great acquisition, and the most valuable variety of all for market or family garden. One plant will cover a space of ground three or four feet square. Entirely different from all other sorts.

**SPINACH.**  
One ounce will sow about 80 feet of drill; ten pounds to an acre.  
This makes the finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil in drills one foot apart, cover one inch. Sow at intervals of two weeks throughout the season. For very early spring use, sow the winter varieties first of September, and protect by covering with straw.

**LONG STANDING.**—Far superior to all others: leaves thick, fleshy and crumpled. Slow in running to seed, hence its great value for spring sowing. The leaves are round, large, unusually thick, deeply curled, and of a fine dark-green color. Per pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 45c.

**ROUND.**—Main market sort. Equally good for summer or fall. Per pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 35c.

**PRICKLEY or WINTER.**—Per pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

**VIROFLAY or SAVOY LEAVED.**—Grows to an enormous size, and produces wonderful crops. Per pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 40c.

**CHINESE RED.**—A new variety of spinach from China which is much larger than the common: has bright red leaves and is considered equal in quality. Per pkt. 5c, oz. 20c.

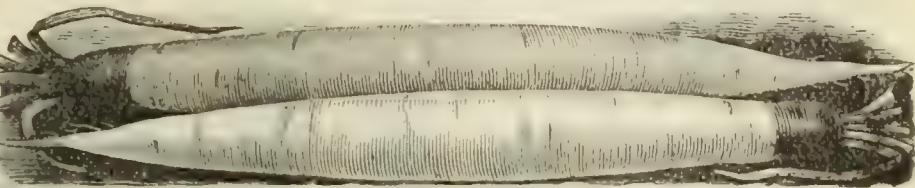
**NEW ZEALAND.**—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or for either the market or family garden. One plant will cover a space of ground three or four feet square. Per pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00.

## SALSIFY—or Vegetable Oyster.

One ounce will sow about fifty feet of drill.

Why don't you grow salsify? We are certain if you sow it one year you would never be without it, and especially after having tried Mammoth Sandwich Island. Salsify is one of the most delicious and nutritious of vegetables, and should be more generally cultivated. Use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them soup, etc. Cultivate like parsnips.

**MAMMOTH SANDWICH ISLAND.**—This magnificient new variety averages fully double the size of the old White. The roots, notwithstanding their enormous size, are of very superior quality, and very delicious in flavor; it is such a decided improvement that we are sure all market gardeners who once try it will use it extensively. Per pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.



MAMMOTH SANDWICH ISLAND SALSIFY

## VINE PEACH.

A splendid novelty which we introduced in 1887. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Recipes for preparing them for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach, except that they are not usually liked raw, although some consider them excellent simply sliced with a little sugar on. Try them, and we know you will be pleased. Per pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

## RHUBARB—or Pie-plant.

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in spring in drills; cover one inch. Thin plants to six inches apart. Transplant in autumn or ring to permanent beds, three feet apart each way.

**VICTORIA or MAMMOTH.**—The best and most popular variety. Per pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.65.

**RHUBARB ROOTS.**—See vegetable plant list

## PARSLEY.

One ounce will sow 150 feet of drill.

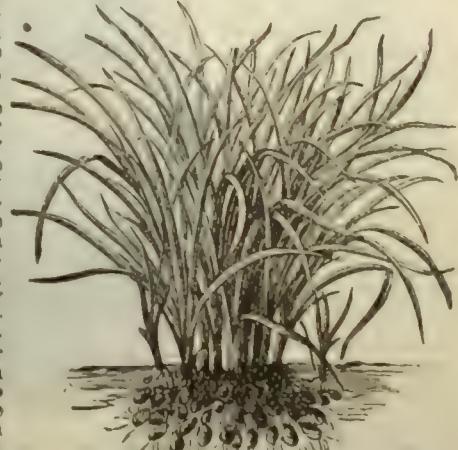
Sow in March, thinly in drills one foot apart, half an inch deep, oak seed in warm water a few hours before sowing. For winter use, root in a glass frame or light cellar.

**CHAMPION MOSS CURLLED.**—A very select stock, beautifully shaped and curled. Decidedly the best and most popular variety for general use. Quite decorative for garnishing. Per pkt. 5c, oz. 10c, 1/4 lb. 30c.

**FERN LEAVED.**—Exquisite in form, and admirably suited for table decoration. Excellent quality. Per pkt. 5c, oz. 10c, 1/4 lb. 35c.

## CHUFAS, or Earth Almond

In sweetness and flavor they resemble the cocoanut or almond, and are considered very nice, put on the table in a fruit dish with candies, as an after-dinner relish. Very prolific, a single one yielding from two to four hundred. The nuts grow underground, very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If the seed is very dry, soak well before planting. Our illustration represents the manner of their growth, and they vary from the size of a large pea to that of a hazelnut. The children will be pleased with these. Per pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.



CHUFAS.

## TOBACCO.

One ounce will sow about 95 feet square and produce plants for one acre.

This is a paying crop and will do well in this State. The following varieties have been thoroughly tested in this climate. Our seed of most of these was grown on the crown panicles of select plants. Early in the spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seed very shallow. When plants are six inches high transplant into rows four feet apart. Cultivate thoroughly.



**MAMMOTH MUSCATELLE.**—Originated in the private gardens of the shah of Persia. Very early, leaves long, small ribbed, and of finest possible texture. Per pkt. 10c, oz. 25c, 1/4 lb. 75c.

**HESTER.**—Ripens early and has greater adaptability over a wider range of soils and latitude than any other of the yellow varieties and may, on this score, be considered the surest. Per pkt. 10c, oz. 25c, 1/4 lb. 75c.

**STERLING.**—Per pkt. 5c, oz. 20c, 1/4 lb. 65c.

**BIG HAVANA.**—Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt. 5c, oz. 20c, 1/4 lb. 65c.

**CONNECTICUT SEED-LEAF.**—Well adapted to this climate. Per pkt. 5c, oz. 20c, 1/4 lb. 65c.



EARLY MINNESOTA

pen evenly, remain solid a long time and never crack. Thos. H. Brin-  
ton, who grows about 100 varieties of tomatoes, has originated sev-  
eral of our best sorts, and who may be called the best posted man on  
tomatoes in the United States, writes us: "Bond's Early Minnesota  
is the best early tomato  
I have yet tried." Per  
pkt. 10z. oz. 35c,  $\frac{1}{4}$  lb.  
\$1.25, lb. \$4.00.

**CRIMSON CUSHION.**—Very large, about double the size of the Matchless, but rough like all other large sorts. The peculiarity about it is its unusual solidity, more so than any other sort we know of. Seeds are few and near the outside, leaving the center solid pulp, which ripens evenly throughout before the outside appears ripe. It is an elegant sort for slicing or putting up. Our seed was saved from select specimens grown on our own place, flavor excellent. Per pkt. 10z.

**PONDEROSA.**—Very large, and is highly commended in many localities. Like all other mammoth sorts, however, there is a considerable proportion of misshapen fruits, and some with hard green spots around the stem. Our seed is pure. Per  
pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 85c.

**NEW PEACH.**—This peculiar variety, introduced by a Philadelphia firm, is a decided curiosity. The tomatoes in color are a deep rose and golden amber, blended in an indescribable manner, all covered with delicate bloom like the bloom or furz of fine peach, making it almost impossible to recognize the detached fruits as tomatoes. Do not fail to try it. Per  
pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

LIVINGSTON'S  
BEAUTY  
TOMATO

## THE EARLIEST TOMATO.

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past transplant to the open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit.

**BOND'S EARLY MINNESOTA.**—This handsome new variety which we now offer to our customers is, we verily believe, the earliest in existence. It originated in Minnesota but has been thoroughly tested elsewhere for two years with surprising results. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ri-

**PICTURE ROCK.**—Our tests of the past year have again proved this to be one of the best varieties on the list. They are of good size, in fact rather large and run so even and perfect in form, after the first few fruits, that they have the appearance of having all been

made in one mould. They are smooth, of bright scarlet color, solid and of excellent quality. See more full description on second page of cover and don't fail to try it. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 75c.

**OPTIMUM.**—Vine medium sized, and productive, bearing fruit in clusters of five. Fruit medium size, oval, very smooth, exceedingly bright, rich, crimson-scarlet color, very free from cracks and rotting, less than any of the seventy varieties which it has been compared. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 75c.

**LIVINGSTON'S BEAUTY.**—Originated with Mr. A. W. Livingston, of Franklin county, Ohio, and is one of the best ever introduced. Its beauty, size, shape, color, flavor, durability, and productiveness make it desirable to all classes of tomato growers, being a very glossy crimson with a slight tinge of orange. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 75c.

**TURNER'S HYBRID OR MIKADO.**—Very large, solid fruits, but

usually too rough for general use. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 65c.

**MATCHLESS.**—We warranty its unsurpassed beauty of coloring and symmetry of form. It is in fact without a peer. The vines are of strong,

vigorous growth, well set with fruit. They are entirely free from

core, of a very rich cardinal red color, and not liable to crack from

wet weather, of large size, and the size of the fruit is maintained throughout the season. The early growth of the foliage containing about half by frost. Had we to compare this sort to one variety it would be the Matchless, for certainly no other tomato will produce extra large fruits so smooth, handsome and marketable as the Matchless. The skin is remarkably tough and solid, and ripe specimen will keep in the ordinary refrigerator for three weeks. Sort of great quality and a long keeper. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 75c.

**IGNOTUM.**—It is five days earlier than Dwarf Champion and superior to all other standard sorts. Very large, smooth, extraordinarily solid, seed cavities the smallest of any tomato; only averages one-half as many seeds as the ordinary sorts. Very productive and uniform, the last pickings being scarcely inferior to the best of the season. It is of a very deep red color, ripens perfectly up to the stem, and remarkably free from cracking and rotting. Per  
pkt. 10z. oz. 25c,  $\frac{1}{4}$  lb. 60c.



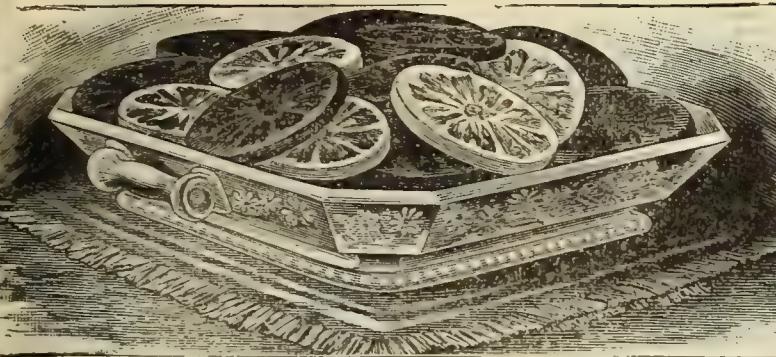
PICTURE ROCK



MATCHLESS



IGNOTUM



## CARDINAL AND GOLDEN QUEEN SLICED TOGETHER.

**YELLOW PLUM.**—Good for preserving and pickling: plum shape, solid and nooth. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**FAVORITE.**—Large, smooth, and very prolific. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**RED CHERRY.**—Perfectly round and smooth, about the size of a cherry, hand-mine and fine for pickles or preserves. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**RED Currant.**—Quite ornamental, resembling long bunches of currants. Per oz. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**PERFECTION.**—Somewhat larger than the Acme, ripens all over and through the same time, is free from rot at the blossom end. We consider this one of the best tomatoes of its class. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**CARDINAL.**—A large grand tomato. The fruit is smooth, of a deep cardinal color, with flesh of the same rich hue, without a green core, very thick and solid, ripens evenly, has no green spots or ends, is a good keeper, and hence is a good dinner, matures at the same time as the Trophy, a vigorous grower and very productive. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c.

**GOLDEN QUEEN.**—We have tested many yellow tomatoes, of which the Golden Queen has proved decidedly the best. The tomatoes are of large size, handsome, round shape, very smooth, free from ridges, and ripen up evenly, mature early and are very productive. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c.

**STRAWBERRY.**—See Ground Cherry, page 30. Pkt. 5c.

**PURPLE HUSK.**—See description on page 30. Pkt. 10c.

**MIXED TOMATOES.**—For the advantage of some of our customers who would like to try all kinds, we have prepared this mixture of all kinds named above and several others. Per pkt. 5c, oz. 30c.

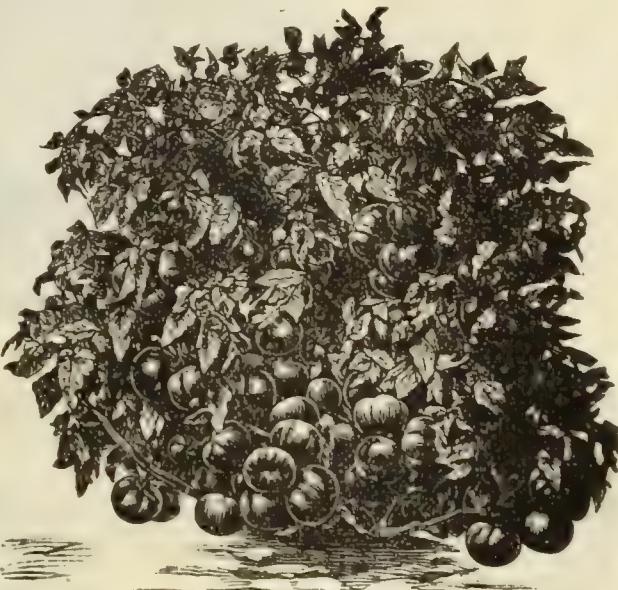
**SLICED TOMATOES.**—Alternate slices of red and yellow tomatoes make one of the most ornamental dishes that can be put on a table. The Cardinal and Golden Queen are especially nice for this purpose. Try them this year.

**DWARF CHAMPION.** Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short jointed, it is actually self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical, and the flesh solid and of fine quality. Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**ATLANTIC PRIZE.**—Very popular with some market gardeners on account of its extreme earliness. Some of our Des Moines market gardeners say that this is the only variety they have ever grown which produced a good crop from the first set of blooms on plants, thereby netting them high prices. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**ACME.**—Early, medium size, smooth, solid and productive. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

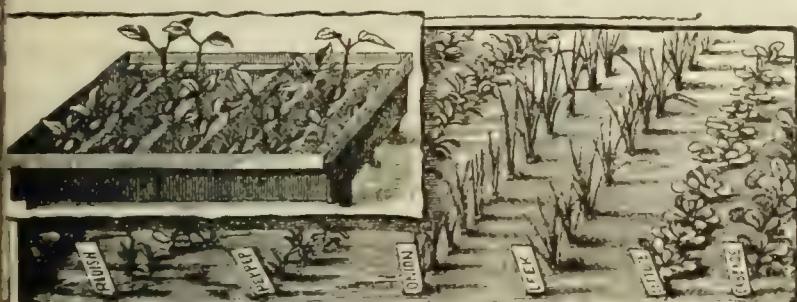
**TROPHY.**—One of the largest and best, fine quality, medium early, heavy and solid, great favorite. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c.



DWARF CHAMPION.

## TESTING SEEDS.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. Frequent tests are also made during the spring season of any varieties which are liable to decrease in vitality, so as to be certain that everything is first class before it is sent out. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality. These tests are very satisfactory to us and to our customers. Our method of testing attracts considerable attention in our store, as all the seeds in the tester are in sight and our customers can see any which fail to germinate as well as those which are of strong vitality. We know of no seed firm in America which is so careful and critical with their seed testing, and the result is that we very rarely have complaints as our CHOICE IOWA SEEDS are sure to please.



SEED TESTING AND TRIALS.

## BEANS, CORN AND PEAS IN BULK.

These low prices are for purchasers of large lots, they to pay freight or express charges. One-half bushel will be sold at bushel rates and one-half peck at peck rates. Crops are short of some varieties of beans, peas and corn and prices are liable to advance later in the season. Write for special quotations if you desire a large lot.

BEANS.	PK.	BU.	SWEET CORN.	PK.	BU.	PEAS.	PK.	BU.
Anderson's Bush Lima	\$2.00	\$ 6.50	Early Sunrise	\$1.25	\$4.00	Reed's Early Prize	\$1.60	\$5.50
Burpee's Bush Lima	2.75	10.00	Extra Early Cory	.90	3.00	Iowa Challenge	1.40	5.00
Greer's Bush Lima	2.75	10.00	Early Minnesota	.75	2.50	Bergen Fleetwing	1.50	5.25
Jackson Wonder Lima	2.65	9.50	Crosby's Early	.75	2.50	Cleveland's Alaska	1.40	5.00
Stringless Green Pod	4.00	14.00	Perry's Hybrid	.90	3.00	First and Best	1.25	4.40
Early Mohawk	1.20	4.20	Champion Early	1.00	3.50	Rural New Yorker	1.35	4.50
Refugee, or Thousand to One	1.25	4.50	Shoe Peg	1.00	3.25	Bliss' American Wonder	2.00	7.50
Dwarf Horticultural	1.70	6.00	Egyptian	.75	2.50	Premium Gem	1.50	5.25
Improved Early Valentine	1.25	4.50	Stowell's Improved Evergreen	.60	2.75	Stanley	2.25	8.00
Large White Marrow	1.25	4.50	Zigzag Evergreen	1.00	3.50	Nott's Excelsior	2.50	9.00
Yardwell's Kidney Wax	1.65	6.00	Improved Ruby	1.25	4.00	Telephone	1.75	6.00
Improved Golden Wax	1.50	5.75	Mammoth Sweet	.90	3.00	Juno	2.25	8.00
Black Wax	1.65	6.00	Black Mexican	1.10	3.50	Bliss' Abundance	1.25	4.50
White Wax	1.75	6.50	Country Gentleman	1.10	3.50	Bliss' Everbearing	1.50	5.00
Osemitte Mammoth Wax	2.25	8.00	Acme Evergreen	1.00	3.25	Improved Advancer	1.35	4.50
Surrie's Rust Proof Wax	1.75	6.50	Fodder Corn (sweet)	.60	1.75	Yorkshire Hero	1.50	5.00
California Branch, or Prolific Tree	1.00	3.50	POP CORN. (56 lb. bu.)			Dwarf White Marrow	.90	3.00
Large Lima	2.00	7.00	Page's New Striped Rice	1.50	5.00	Champion of England	1.25	4.00
White Dutch Case Knife	1.80	6.50	Monarch White Rice	1.25	4.00	Stratagem	2.00	7.00
King of the Garden Lima	2.25	8.00	Queen's Golden	1.35	4.50	Large White Marrow	.85	2.75
Shorts	2.25	8.00	Mapledale Prolific	1.35	4.50	Black Eyed Marrow	.85	2.75
Crazy Wife's	2.25	8.25				Dwarf Sugar (edible pods)	2.00	6.75
Scarlet Runner	2.00	7.50				Mammoth Luscious Sugar	2.25	8.00
Mammoth Horticultural Pole	2.25	8.00						
Old Homestead	2.25	8.00						

## FIELD CORN.

See pages 50 to 54.

See Field Seeds.

## FIELD PEAS.

## TURNIP.

One ounce will sow 150 feet of drill; two pounds will sow one acre.

For early, sow in April in drills half an inch deep and twelve inches apart, thin to six inches apart in the drill. For main crop sow broadcast during July and August and just before or during a showery time if possible. Often by sowing an early variety as late as September 1st, a good crop can be obtained. The Purple Top Milan is excellent for this purpose. The soil should be rich and mellow and kept free from weeds.

**EXTRA EARLY PURPLE TOP MILAN.**—This splendid new turnip is one of the earliest sorts in cultivation. The bulb is very flat of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color, growing very compact and making an exceedingly small, strap leaved top. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**EARLY SNOWBALL.**—A perfect globe-shaped, white-skinned turnip. It is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early, and particularly adapted for family or market use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GOLDEN BALL, OR ORANGE JELLY.**—A very beautiful and bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Always brings a good price in the market. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.



GOLDEN BALL OR ORANGE JELLY.

## RUTA BAGA.

Ruta Baga or swedes should be sown not later than June, in drills two feet apart, and thin out to eight inches in the row.

**MONARCH.**—This grand, new and distinct form of the ruta baga, is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. For earliness, quality and weight it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other swede, whilst the large percentage of saccharine matter contained in the root makes it very palatable and nutritious to stock fed on it. Monarch swede is of handsome shape and distinct appearance. Only variety succeeding on our prairie soil. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**IMPROVED AMERICAN.**—Very popular, and has for years been considered the leading yellow fleshed variety, very solid, fine quality, valuable for the table and for feeding stock. Very hardy and productive, excellent shape, with small neck and smooth skin, keeps well. Our strain is choice. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**WHITE SWEET GERMAN.**—Large size, oval form and very solid, flesh pure white and sweet. This is the best keeping variety. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.

**CARTER'S IMPROVED HARDY SWEDE.**—Large size, excellent quality, and an immense yielder. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



**NIMBLE DICK.**—It is extra early and produces handsome fair sized turnips in a very few weeks from time seed is planted. The color is a clear, translucent white, flesh crisp and of excellent flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**EARLY WHITE EGG.**—Very early and particularly desirable for the table; flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg-shaped. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PURPLE TOP STRAP-LEAVED.**—The standard for this part of the country. Superior for early or late planting. Round, flat, globe-shaped, small top with but few leaves, flesh very fine grained, flavor good. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c, 5 lbs or more, not prepaid. 40c per lb.

**PURPLE TOP GLOBE.**—Similar to above, except shape. This is the largest yielding of any turnip on the list, and very desirable for table use or stock. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c, five pounds or more, not prepaid. 40c per lb.

**LARGE WHITE GLOBE.**—Fine for field culture and very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 55c.

**EARLY WHITE FLAT DUTCH.**—Of quick growth, juicy, mild flavor, and excellent quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**BREADSTONE.**—While of the Ruta Baga type, they are of such extra fine quality they deserve to be classed with the best table turnips. They are of medium size, very quick growing, and the roots are smooth and white. The flesh is perfectly white, fine grained, and cooks in only fifteen minutes, remarkably tender and very sweet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**YELLOW ABERDEEN.**—Excellent for cattle feeding. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c.

**SCARLET KASHMYR.**—A handsome new variety which everyone should try. See description with all varieties. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. 81 $\frac{1}{2}$ c.

**MIXED TURNIPS.**—All the table varieties of turnips mixed in equal proportion. A desirable mixture for family use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 75c.



# VEGETABLE PLANTS AND ROOTS.

*Prices for large quantities of any of these plants or roots will be given on application.*

## VEGETABLE PLANTS.

*Well grown and lightly packed to carry long distances.*

The fact that these plants are all grown under our personal direction from the choicest stocks of seeds from our store is sufficient recommendation as to the genuineness of the varieties. They can be shipped fresh, well packed at the beds, on a day's notice.

Plants quoted "by mail" are sent at our expense; "by express" at the purchaser's. By our system of packing they are sure to arrive in good condition when shipped to any part of the United States. No charge for either packing or boxes. Plants from hotbed or cold frame are ready during April and May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

**CABBAGE PLANTS.**—Early Varieties.—Ready April 10th. Extra Early Express, Jersey Wakefield. All Seasons, Burpee's Allhead, and Henderson's Early Summer. By mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

**CABBAGE PLANTS.**—Late Varieties.—Ready June 1st. Surehead, Chase's Excelsior, Premium Flat Dutch, and Short Stem Drumhead. By mail, 100, 75c; by express, 100, 40c; 1,000, \$2.00.

**CAULIFLOWER PLANTS.**—Ready May 1st. Snowball and Erfurt. By mail, doz. 20c; 100, \$1.25; by express, 100, \$1.00; 1,000, \$7.00.

**CELERI PLANTS.**—Ready May 1st. Henderson's Half Dwarf, White Plume, Golden Self-Blanching, and Pink Aromatic. By mail, doz. 20c; 100, \$1.00; by express, 100, 60c; 1,000, \$4.00. After June 20, \$3.00 per 1,000.

**EGG PLANTS.**—Ready May 1st. New York Improved. By mail, doz. 25c; 100, \$1.25; by express, 100, \$1.00.

**PEPPER PLANTS.**—Ready May 1st. Ruby King, Large Bell, and Red Cayenne. By mail, doz. 25c; 100, \$1.00; by express, 100, 75c.

**TOMATO PLANTS.**—Ready May 1st. Strong, transplanted plants. Dwarf Champion, Acme, Beauty and Matchless. By mail, doz. 25c; 100, \$1.00; by express, 100, 75c; 1,000, \$5.00.

**SWEET POTATO PLANTS.**—Ready May 1st. We make a specialty of supplying first class sweet potato plants, and we take great pains to send out only such as are strong, vigorous, well rooted and hardy. We can furnish either the Yellow Nansemond, or Early Yellow Jersey. Prices vary with the season, but we will at all times make as low a price as we can. Write if you want a large lot. By mail, 100, 50c; by express, 100, 25c; 1,000, \$2.00.

## HORSE RADISH SETS.

Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By mail, doz. 35c; by express, 100, 75c; 1,000, \$8.00.

## ASPARAGUS ROOTS.

*For directions for planting, etc., see Asparagus seeds.*

**CONOVER'S COLOSSAL.**—One-year old roots. 100, 60c; 1,000, 84.50. Two-year old roots, 100, 75c; 1,000, \$10.00.

**PALMETTO.**—Two years old. 100, \$1.00; 1,000, \$7.50.

**COLUMBIAN MAMMOTH WHITE.**—Two years old. Postpaid per doz. 25c; by freight or express, per 100, \$1.00; per 1,000, \$8.75.

Above prices are by express. If to be mailed, add 20c per 100 for one-year olds, and 40c per 100 for two-year olds.

## RHUBARB ROOTS.

These may be planted early in spring or in fall, setting the roots three feet apart each way. It requires but little labor to plant, and when once planted in good rich soil, it will remain in bearing condition many years. By express, each, 10c; doz. 75c; 100, \$4.50. By mail, each, 15c; doz. \$1.25.



## GARLIC.

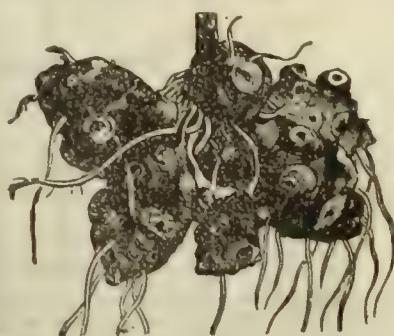
A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. Divide a bulb into small parts, and plant them in early spring in rows one foot apart, and from two to five inches between the plants in the rows. The crop matures in August, when it is harvested like the onion.

**GARLIC SETS.**—Per 1b. 40c, postpaid. By express, per lb. 30c.

## JERUSALEM ARTICHOKE.

*The greatest hog food known.*

This variety is sometimes used as a table vegetable when pickled, or as a salad, but their greatest value is for feeding stock. They are the best hog food known, and are attracting much attention on account of their great fattening properties, great productiveness (over one thousand bushels having been grown on one acre), and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned in on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milk cows, increasing the yield of milk and at the same time improving their condition. They are well adapted to any soil where corn or potatoes can be grown. Three bushels will seed an acre, and they should be cut the same as potatoes, one eye to a cut being sufficient, planted in April or May, in rows three feet apart and two feet in the rows, and covered about two inches deep. To destroy them they should be plowed under when the plant is about a foot high, at which time the old tuber has decayed and new ones are not yet formed. Per lb. 30c, 3 lbs. 75c, postpaid. By freight or express, pk. 60c, bu. \$1.50, bbl. of 3 bu. (enough for one acre) \$3.50.



## HOLT'S MAMMOTH SAGE.

No garden should be without a few plants of this most valuable herb. It is a perennial and keeps growing larger each year. The first season a single plant will frequently cover a space three feet in diameter and produce a large amount of leaves, which are several times larger than the common sage and of superior quality. This variety cannot be grown from seed. Price, 3 plants for 25c, 7 for 50c, 15 for \$1.00 postpaid.

*Your seeds have given good satisfaction, especially your onion seed and Washington Wakefield cabbage, regardless of the dry weather. I intend to use your seeds another year.*

*J. M. McCall, Pottawatomie Co., Oklahoma.*

## ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. Our sets are well grown and of the very best size and shape, and sure to please for either the family or market garden. Price by the pint and quart include prepayment of postage (deduct 15 cents per quart if by express.) Price by the peck and bushel is subject to market variations, and they are shipped at buyer's expense. We will at all times give customers the benefit of lowest prices on day order is received. If you want a large lot write for sample and lowest prices.

## POTATO ONION SETS



**WHITE BOTTOM SETS.**—The bottom onion sets grown from seed are the most popular of all and the finest and best for early use and large onions. The white are usually higher in price than the red or yellow, as they do not keep over winter so well. Per pt. 20c, qt. 35c, pk. \$1.20, bu. \$4.00.

**YELLOW BOTTOM SETS.**—Like above, except the color. Per pt. 15c, qt. 30c, pk. \$1.00, bu. \$3.25.

**RED BOTTOM SETS.**—Per pt. 15c, qt. 30c, pk. \$1.00, bu. 3.25.

**RED TOP OR BUTTON SETS.**—These are the old-fashioned sets still largely called for where the bottom sets are not known. Per pt. 20c, qt. 40c, pk. \$1.25, bu. \$4.25.

**POTATO ONION SETS.**—Valuable for early crop, as they mature quickly; mild and of sweet flavor. Per pt. 20c, qt. 35c, pk. \$1.10, bu. \$3.75.

**PERENNIAL OR WINTER.**—Also called Egyptian and Tree onions. May be set out in spring, but are usually set in the fall. Highly valued by gardeners as they produce the earliest spring onions, and after once set out require no other care, but come up year after year without the slightest winter protection. Per pt. 15c, qt. 25c, pk. 60c, bu. \$1.50.

# SELECTED FARM SEEDS.

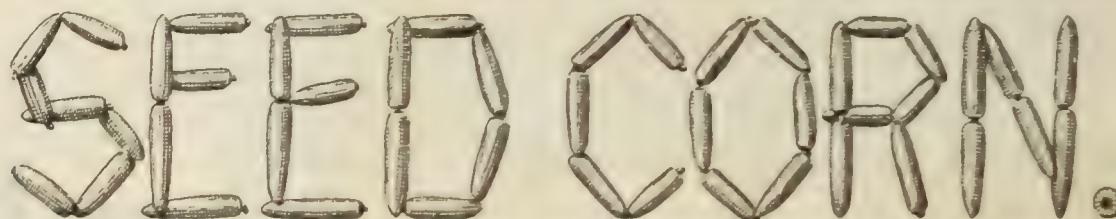
As the farm crop is more important to the general welfare of the country than any other, so the farm seed department should have the prominence in seed catalogues, but we regret to say that with most seedsmen it has very little attention. Realizing the vast importance of this branch of our business, we devote our careful attention to the growth and selection of the best farm seeds of all sorts. Our seed grain is grown especially for seed, in the section best suited to its development and perfect maturity, is all carefully selected, thoroughly cleaned, of the best quality, and we sell at reasonable prices.

We take pride in our large and increasing trade in this branch of our business. With our improved machinery for cleaning which is as perfect as any in the United States, we are enabled to clean seeds perfectly, far different from such as are commonly sold. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood the highest for purity of any west of Pennsylvania, and, with one exception, the highest of any in the United States.

**PRICES** named in this department are subject to any important market changes. The prices are net and not subject to premium or discount which is offered on other seeds. Clover and grass seeds are constantly varying in price, and we issue a price list daily during the busy season. Please write for prices, sending list of requirements, when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

**NOTICE.**—While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty expressed or implied. Samples sent for testing if desired.

**SHIPPING.**—In this department everything that is quoted by the packet or pound is sent by mail postpaid; all large quantities, unless noted, are sent by express or freight, at the expense of the purchaser. Prices named include bags and delivering to depot here.



*It costs less than twenty-five cents an acre to use our carefully selected and tested seed corn. Is it wise to risk doubtful corn when good seed is so cheap?*

The varieties of field corn we offer are the best now in use. They were grown especially for seed purposes, and well matured, cured, carefully sorted by our seed corn experts, and shelled with great care. The value of the corn crop in Iowa alone would be increased two million dollars by an average increase of one bushel per acre, and it has been demonstrated that the crops can be fully doubled by planting some of our improved varieties. We are in the center of the best corn growing country of the world, where the soil and climate are peculiarly adapted to its culture, and we have given this branch of our business the most careful attention, until now we can say without fear of contradiction, that for the season of 1896 we have the best supply of seed corn ever offered by any seed firm in the world.

We also have a large and increasing trade on seed corn from farmers in Missouri, Kansas and states further south, and therefore list some varieties which are of special value to them, but state plainly when any variety is too late for this latitude in an ordinary season.

The necessity of planting the very best varieties is plain, and it will not pay you to experiment with the many sorts which we have tried and found worthless, nor to purchase from unscrupulous dealers. We claim to have supplied more farmers with seed corn last year than any seed firm in the world ever did before. Some dealers, last year seeing the great success we had made in the seed corn trade, purchased common crib corn and sold it out untested and under fictitious names, and it made their customers a great amount of trouble. All our seed corn is very carefully tested, and none sent out that we are not certain will grow well under proper conditions. We do not warrant it, but we will mail samples for testing to prospective customers. If a large quantity is wanted, ask for prices. No extra charge for bags.

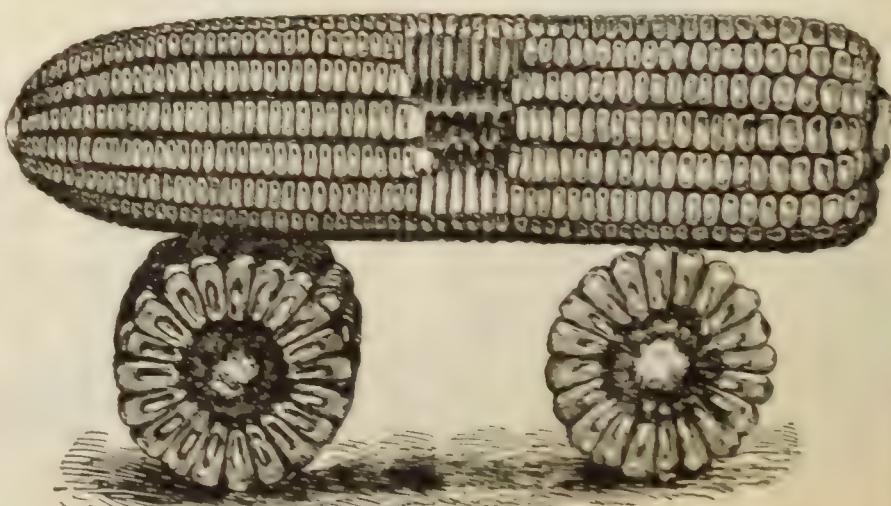
## IOWA GOLD MINE CORN. THE BEST VARIETY OF YELLOW CORN IN THE WORLD!

Everyone who has tried it is enthusiastic in the praise of this splendid new variety which we introduced in 1892. Iowa is not called a gold mining state, but in this grand new variety farmers of this country will find a veritable mine of wealth. It has everywhere received the most cordial endorsement as the best and most profitable variety ever grown. This variety originated as follows: Six years ago a special premium offer brought sample ears of corn from several hundred farmers and seed growers and from these we chose the one which was most decidedly the best, and have been selecting and improving it until it is about as near perfection as corn can be made. It is early, ripening only a few days later than Pride of the North; ears are of good size and symmetrical, color a bright golden yellow, as banks of a twenty dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. A single ear of corn makes sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than any variety in the same size wagon. We have shelled selected ears of this variety which produced sixty-four pounds of shelled corn to the ear, or 16 bushels of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other corn in the world. The earliest farmers say they consider it the *ne plus ultra* in corn; that it would be impossible to attain any nearer perfection. We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing everyone who tries it. It will grade No. 1 in any market. We shall not be satisfied until every farmer in the United States has seen this grand new variety.

One carload lot of four hundred bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was reweighed and there was just 436 bushels. Just think of it—a gain of 14 bushels to the ton!

Remember, if you want pure Iowa Gold Mine corn, you must purchase it direct from us, as we have not furnished any to any other dealer in Iowa this year. Don't be deceived. If you purchase from your local dealer, insist on seeing that our label is in every bag, plainly marked **Iowa Seed Company**. We most highly recommend it to our customers in all parts of Iowa and other states in the same latitude. It matures perfectly up to the extreme northern tier of counties in Iowa. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Notice our low prices this year. Per large package **5c**, lb. **25c**, 3 lbs. **60c**, postpaid. By freight, pk. **50c**, bu. **\$1.25**, 2 bu. or more at **\$1.00** per bu.

**ONE YEAR FREE!** Anyone ordering one bushel or more of Iowa Silver Mine Corn, or two bushels or more of any other kind of corn is entitled to one year's subscription to the **AMERICAN CORN JOURNAL**, of Sibley, Illinois, providing they ask for it when sending order.



IOWA GOLD MINE CORN. (From a photograph.)

MINING IS IMPORTANT BUT THE CORN CROP  
IS THE MAIN SOURCE OF THE NATION'S WEALTH

# IOWA SILVER MINE CORN

INTRODUCED

A COMPARISON

GOLD PRODUCTION OF THE

U.S. IN 1894. \$39,761,205<sup>92</sup>

SILVER PRODUCTION OF THE

U.S. IN 1894. \$31,403,531<sup>29</sup>

GOLD & SILVER PRODUCTION

OF THE WORLD IN 1894.

WAS \$ 283,071,380.<sup>29</sup>

CORN CROP OF THE U.S. IS

ESTIMATED 2,189,000,000 lbs

WORTH \$ 656,700,000.<sup>92</sup>

# IOWA GOLD MINE CORN

INTRODUCED

# IOWA SEED CO.

ACKNOWLEDGED TO BE THE  
BEST YELLOW CORN IN  
EXISTENCE.



IT PAYS TO HAVE THE BEST

BY THE IOWA SEED CO.  
WE CLAIM THAT IT IS THE  
BEST WHITE CORN EVER GROWN  
MOST PRODUCTIVE, HIGHEST QUALITY



CROP of IOWA

CORN IN 1895  
ESTIMATED 300,000,000 lbs

WORTH \$ 75,000,000.<sup>92</sup>  
IF THESE TWO VARIETIES  
HAD BEEN GROWN EX-  
CLUSIVELY, THE CROP  
WOULD HAVE BEEN FULLY  
20% MORE, AND WORTH  
10% HIGHER MARKET  
VALUE MAKING A  
DIFFERENCE OF  
\$ 24,000,000.<sup>92</sup>



... WITH A ...  
Silver Mine  
AND A

**Gold Mine**

On your farm your bank account will increase, no matter whether Congress adopts a gold or silver basis for our money.

SEPT. 24, 1895.—Your **Iowa Silver Mine** is as fine a corn as I ever saw grow. It has large, well shaped ears, and filled out clear to the end of cob. I planted the 10th of May and it was well matured by the 15th of August, so I think you will have no trouble in selling it in northern Iowa. You cannot recommend it any too highly to any one that wants a good white corn. Chas. W. Richards, Woodbury Co., Iowa.

NOV. 9, 1895.—Your **Iowa Silver Mine Corn** is a very promising variety—a strong, vigorous grower, with plenty of foliage and generally two ears to the stalk. Color clear white, kernels in straight rows, small white cobs. A distinct sort and very pure. Has proved to be a great resister of drouth, and is a corn that the farmers of Iowa can afford to tie to. F. B. Van Ornam, Cass Co., Iowa.

I am highly pleased with your **Iowa Silver Mine Corn** and wish I had ten acres of it instead of my little plot. It is the largest grained white corn I ever saw. E. P. Wright, Warren Co., Iowa.

OCT. 9, 1895.—I tested the **Iowa Silver Mine Corn** that you sent me, on my seed farm with thirty four other varieties and was well pleased with it. It made a strong, vigorous growth and a good yield of well matured corn. I believe it to be particularly adapted to this climate and cheerfully recommend it. A. Singleton, Keokuk Co., Iowa.

The **Iowa Gold Mine Corn** yielded three times as much as any other variety. Think it is the best corn I have ever seen. C. H. Shearer, McHenry Co., Ill.

Have just harvested the **Iowa Gold Mine** and it is a grand corn. Our farmer is enthusiastic over it. The type and color are perfect. J. H. Beagley, Ford Co., Ill.

The **Iowa Gold Mine Corn** is the best I ever saw and it is well adapted to this climate. S. F. Reynolds, Dane Co., Wis.

The **Iowa Gold Mine Corn** comes the nearest being all corn and no cob of any variety I ever grew. H. F. Jacobs, Calhoun Co., Iowa.

The largest seed corn grower in the United States says: The **Iowa Gold Mine Field Corn** bought of you turned out nicely. We are very much pleased with this corn. It grows rank and strong and beat out the drouth and made a good crop. C. S. Clark, Huron Co., Ohio.

NOT 16 SILVER TO 1 GOLD,

— BUT —

**\$500.00 Gold**

FOR **\$1.00 Silver!**

**\$1.00** buys sufficient Seed Corn to plant one acre, entitling you to compete for the prizes.

# What the People Say.

## READ ALL OF THESE.

OCT. 5, 1895.—We find the **Iowa Silver Mine** to be the only really pure white corn, the deepest grain, smallest cob and largest percentage of perfect ears of any corn I have ever tested, and I have grown about all the named varieties. You have in the **Iowa Silver Mine** a variety that combines more good qualities than any other, either white or yellow. It reproduces itself exactly, thus showing that the type and habits are thoroughly known and uniform. Has more inherent good qualities than any other corn. Being a thoroughbred corn it has great flexibility of constitution and this is adapted to any soil or climate. Your customers will find it a veritable "Silver Mine" if developed with a plow and cultivator instead of a pick and shovel. J. H. Beagley, originator of *Pride of America*, Conqueror and other prominent varieties of corn and editor of the *American Corn Journal*.

SEPT. 19, 1895.—The **Iowa Silver Mine** was planted May 1, cut down by frost May 20, first silk July 6. On July 16 all silked, two to three to each stalk. July 26 frost which hurt it badly. August 24 husks began turning yellow. September 3 ripe and gathered. Conditions unfavorable, but it has done extremely well. It is quite early for a corn of its size and I must say that I think it is a good corn. Drouth in this locality very severe and other varieties of corn only about one-third of an average crop. J. L. Perkins, Harrison Co., Iowa.

OCT. 20, 1895.—Your **Iowa Silver Mine Corn** proved a success with me. I planted it the first day of May and by the 25th of July had roasting ears and the frost would not have injured it by the 25th of August. It makes a strong growth and I am much pleased with the shape and size of ear. J. W. McCleary, Polk Co., Ia.

SEPT. 24, 1895.—Your White Corn (**Iowa Silver Mine**) did splendidly for me. It was planted May 4 and matured the fore part of August. It is better than the **Iowa Gold Mine**. The ears are large and very solid. I tested four other new varieties this year, but this took the lead. S. S. Wolfe, Jewell Co., Kansas.

SEPT. 27, 1895.—I planted the sample of your new **Iowa Silver Mine Corn** in my garden and pronounce it the earliest white corn I have ever seen. Ears of good size and in many instances producing two ears to the stalk. It is seldom one sees anything bred up to such perfection as this new corn. Again thanking you for the sample, I remain W. O. Ruddick, Lee Co., Iowa.

OCT. 12, 1895.—Your **Iowa Silver Mine Corn** gives promise of being a very profitable variety. It has a well filled,

in color being a pure white which commands a

premium price.

SEPT. 18, 1895.—The sample of **Iowa Silver Mine Corn** was planted May 25 and

is now in full flower.

**Iowa Gold Mine Corn** is

the best white corn

**Iowa Gold Mine** is the best

Can You Grow Corn?  
**\$500.00 IN PRIZES**  
FOR THE BEST ACRE.  
Somebody's Going to Get it. Is it You.

One of the largest seed firms of the country writes: The **Iowa Gold Mine** is ahead of all others in the quality of its ears. It is a good yielder, is rich in fattening substance, and one that will sell for the highest price. Any man in the West will raise a good **Iowa Gold Mine** corn and will get a good basis of 64 bushels to the acre, we can grow it here as easily as 64 bushels of shelled corn in 70 bushels of ears.

The **Iowa Gold Mine** has done splendidly here in the Western Iowa fields. It is a good yielder of ears of 16 lbs. It is a very good variety with large well formed ears, larger and finer than our native corn in this part of the state. P. R. Bailey, O'Brien Co., Iowa.

The **Iowa Gold Mine Corn** I got of you has done fine. Has been in ear two weeks and is equal to any field corn I have ever seen. H. G. Blackham, Rice Co., Kas.

The **Iowa Gold Mine Corn** I purchased of you last spring is the best yielder I ever planted. O. F. Hughes, Butler Co., Iowa.

I had three varieties of field corn this year and for beauty, size of ear and yield the **Iowa Gold Mine** beats them all. W. W. Campbell, Buchanan Co., Iowa.

### FINALLY,

To sum up all the returns, the **Iowa Silver Mine** is undoubtedly the best white corn and the **Iowa Gold Mine** is the best yellow corn in existence. The largest yields of shelled corn to the acre and the most profitable to the farmer either for seed or for sale. Our crops were good this year and we have made prices low to induce every farmer in the country to try them.

**PRICES OF IOWA SILVER MINE CORN.**—(Postpaid)—Large sample 10c. 16 lbs. 3 lbs. 6c. Sample ear 25c. 7 lbs. 4c. 3 lbs.

If Shipped by Freight—One-half pk. 6c. pk. \$1.00. 1/2 bu. \$1.75. bu. \$3.00. 2 bu. or more \$2.50.

**PRICE OF IOWA GOLD MINE CORN.**—(Postpaid)—Large sample 10c. 16 lbs. 3 lbs. 6c. Sample ear 25c. 7 lbs. 4c. 3 lbs.

If Shipped by Freight—pk. 50c. bu. \$1.25. 2 bu. or more \$1.00.

Anyone purchasing 1/2 peck or more can get 10c. extra for postage.

... THE ...  
**Silver Question**

May not be settled without mistakes, but you will make no mistake if you plant

**Iowa • Silver • Mine**  
CORN.

See particulars on another page, and

TRY FOR IT.

**\$500.00 Profit**

— ON —  
**ONE ACRE OF CORN**

# OUR GREAT \$1,000 CORN.

## THE IOWA SILVER MINE.

We claim to be corn experts, and we have no money to throw away, but as soon as we examined this corn we purchased the entire stock for \$1,000.00 cash. An offer of \$10.00 per pound would not have induced us to sell all we had of it last spring, as we wanted to save it for our customers.

**HISTORY.**—Eight years ago in selecting over some unnamed white corn, one of the best seed-corn experts in America found one ear which was of ideal shape, size and color. He planted it carefully in an isolated spot and from the crop selected only one ear for planting the next season. He continued his careful selection of only the one best ear out of crops for five years until the type was fully fixed. It has been kept very carefully and none of it has ever been allowed to leave the originator's place until last spring when we purchased it. We mailed a small sample to about twenty-five good corn growers in various parts of the country and they have been greatly pleased with it, without exception. See their testimonials elsewhere.

**DESCRIPTION.**—Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stalks every one had an ear, many stalks had two good ears, and the originator says that that has been characteristic every year that he has grown it. It has not a large growth of fodder, having been bred essentially for grain, though it has plenty of blades to support the growth and it is as well rooted as any corn grown. The type is very even, so unusually so that in selecting exhibition ears for the fair in the field he could take the ears as he came to them with very few exceptions. Ears measuring from ten to twelve inches in length and weighing one and one-half pounds are not uncommon. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels set on a small white cob. It is early, matured last year in less than ninety-five days, and has never been caught by the frost. The cob dries out rapidly so that it is ready for market earlier than any white field corn in existence, fully two weeks earlier than Champion White Pearl. We claim that it is the only strictly pure white corn now on the market.

**PRODUCTIVENESS.**—We believe that in its yield it will surpass all other varieties of any color. In 1894, the poor corn year, only three-fourths of an acre was planted yet it yielded just seventy-three bushels or at the rate of ninety-seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip. Seventy pounds of corn in the ear will make sixty-two pounds shelled. It is in every way a distinct type of corn, and possesses many of the characteristics which have made the Iowa Gold Mine so popular, while the ear is larger.

We stake our reputation upon this corn giving excellent and entire satisfaction and that it is an entirely new origination and not an old sort under a new name. It is hardy, a great drouth resister and summing it all up **The best White Corn ever introduced.** The acme of perfection unsurpassed and unsurpassable. Don't fail to try it. We control the entire stock—you cannot obtain it elsewhere, but we want you to try it and so have made the price low.

### ITS PRIZE RECORD.

The Iowa Silver Mine Corn has only been exhibited at one fair (Ill.) where in 1893 it took first prize as a white corn, and in 1894 ten of the largest ears took first prize, ten of the smallest ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties both white and yellow, making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn. We challenge competition, it is the best corn grown in the world of any color or description and sure to be a prize winner.

The largest eared 100 day corn in existence.

Ears measuring ten to twelve inches long and weighing 1½ lbs. each are not uncommon. Just think of it, forty-seven ears of early corn make a bushel.

**PRICE, Postpaid or by Express Prepaid**—Per 2-oz. packet, 10 cts; lb., 25 cts; 3 lbs., 60 cts; 7 lbs. (will plant an acre) \$1.00. Specimen ears, 25 cts. each.

**PRICE, by Freight or Express, Purchaser Paying Charges.**—½ peck, 65 cts; peck, \$1.00; ½ bushel, \$1.75; bushel, \$3.00, 2 bushels, \$5.00.

### \$500.00 IN PRIZES.

For best acre of corn grown this year. See particulars on page 18, and don't fail to try for it.

### 23 ACRES OF CORN FOR \$7.00.

Which is the best variety of corn? All farmers want to know. To enable you to make a test we offer one-half peck (sufficient to plant one acre) of each of the twenty-three varieties named on pages 50, 53, 54 and 55, of this catalogue for only \$7.00. This makes a cost of only 30¢ cents per acre for seed. If you have not room for so large a test, will furnish your choice of one-half peck each of any ten varieties for \$3.50 or any five varieties for \$2.00.

**Another Offer.**—For practical experimenters: 1 pound each of the twenty-three varieties for \$2.00 or of any ten varieties for \$1.00.

**If Sent Postpaid.**—A large sample package of each of the twenty-three varieties for \$1.00 or of ten varieties for 50¢.

### CHANGE YOUR SEED THIS YEAR.

Our prices are very low on seed corn this year. You can't afford to bother selecting your own seed when you can get the improved varieties so cheap.

### THE BEST ON A 22,000 ACRE FARM.

Nov. 4, 1895.—On this part of the Sibley estate, comprising about 22,000 acres, there was grown this year nearly 10,000 acres of corn, including almost all known standard sorts suited to this latitude, and we consider that of the white varieties the Silver Mine is the purest and in all respects the most satisfactory of all.

W. A. BICKET, Manager.

Sept. 26, 1895.—The Iowa Silver Mine did very well for me, maturing early, medium size ears and a very good grain, altogether a good corn.

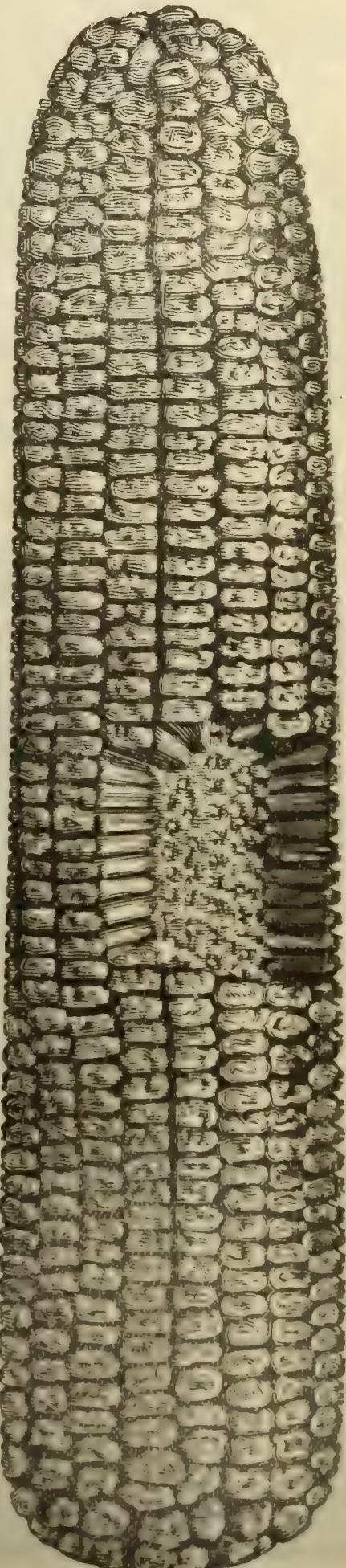
R. C. FERGUSON, Guthrie Co., Iowa.

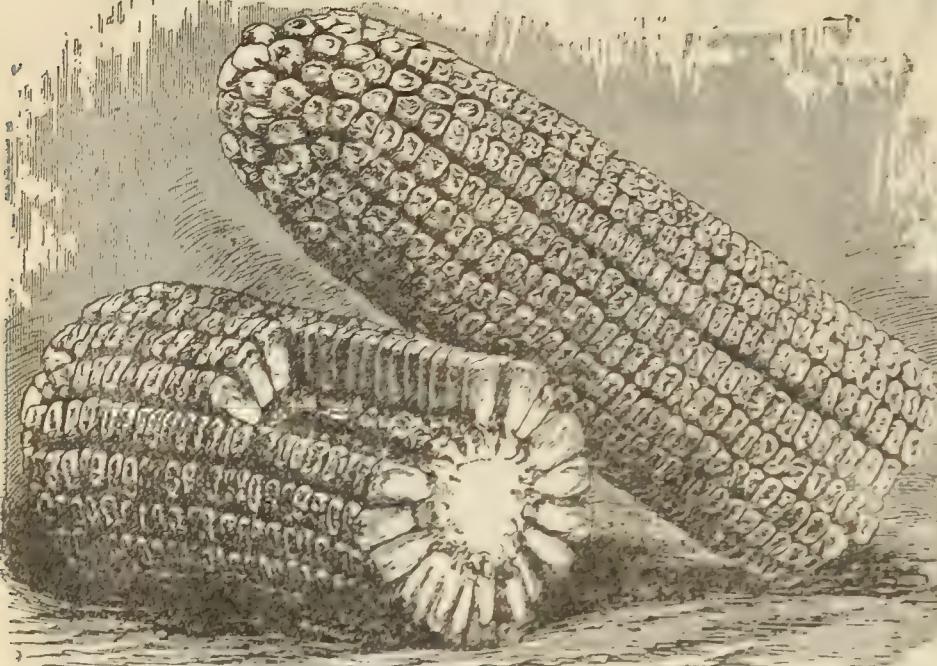
Oct. 22, 1895.—I was well pleased with the Iowa Silver Mine Corn. The yield is very good and it ripened early which will insure immunity from frost in autumn.

J. F. WALTERS,

Adair Co., Iowa.

One of the largest seed corn growers in America writes, under date of Aug. 17, 1895, the Silver Mine was planted the first day of May and was frozen down twice which sadly retarded its growth, however, it is today the finest field of corn with the largest ears I have ever seen, and I have all the leading varieties. It is a grand corn and is coming up to my most sanguine expectations.





LEGAL TENDER.

**CHAMPION WHITE PEARL.**—This was undoubtedly the best variety of white corn before the introduction of the Iowa Silver Mine, grows to medium height, prolific and has given splendid satisfaction to our customers. Per peck 50c; bushel \$1.25; 2 bushels or more @ \$1.00.

100 days. Has medium ears, streaked green and yellow corn. It is very productive and we will please our customers. It can only be had by ordering direct from us. Peck 50c; bushel \$1.25, 2 bushels or more @ \$1.00.



EARLY LONGFELLOW DENT.—From a Photo.

**EARLY LONGFELLOW DENT.**—For several years one of our growers has been at work originating this new sort, the object being to obtain a variety fully as early as Pride of the North and much larger. He succeeded so well that we take pleasure in introducing it. The accompanying engraving was accurately made from an ear of the corn and well shows its shape, which is different from any other sort in existence and suggested the name. We recommend it highly to our many customers in northern Iowa and Minnesota as the best early corn ever offered. The grower who has had it for several years claims it yields as well as any of the large sorts. Stalks of medium height, strong and not easily blown down. Ears have 12 rows, and are 10 to 14 inches in length, kernel rather shallow. Per peck 50c; bu. \$1.75; 2 bus. or more @ \$1.50.

**FATTEN YOUR POCKETBOOK.**  
By planting our *Iowa Silver Mine* Corn this year,

### Prices Postpaid.

All varieties of Field corn named on page 50 to 55. Large 2 oz. pkts. 5c, 1b. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, delivered, charges prepaid to any town in the United States.

### Prize Winners'

#### COLLECTIONS OF FIELD CORN.

1 pk. each of any 5 varieties for \$1.00  
pk. each of any 10 varieties for \$3.50  
pk. each of the 23 varieties for \$7.00

Your choice of varieties. We do not prepay charges on these.

**LONGFELLOW FLINT.**—An eight rowed yellow w flint variety, with ears from 10 to 15 inches long. The ears are slender and are well filled with grain. Kernel deep. This corn is small and the stalks are thin and brittle, ripening in 100 days. This corn is well adapted to the northwest, and is said to produce 200 bushels of ears to the acre in Massachusetts. In ordering, be sure and put in the word Flint, in listing this from our Longfellow Dent. Per peck 50c; 1b. 25c, 2 bushels or more @ \$1.00.

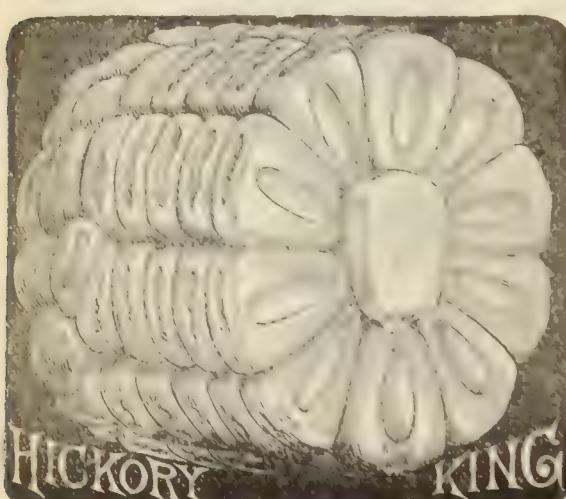
**IOWA YELLOW DENT.**—We always advise you to buy your seed from reliable dealers in trying new corn, and believe it pays them in the long run. However, this is a good corn and quite popular some years. Per peck 40c; bushel \$1.00; 2 bushels or more @ 75c.

**MONSTER BLOOD CORN.**—This corn has been grown in the state of New Mexico for a number of years. It is a very large ear, and the grower has closely and kept it for his own use. The ears are of monster size and of dark blood red color. Grain is very deep and cob hollow, drying out rapidly, and it yields immense crops. It is a very desirable variety for those who wish to grow for feeding. Has the largest ears of any corn that matures in this latitude. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

**HICKORY KING.**—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost completely cover the cob section. Of strong, vigorous growth, and yields splendid crops on light soil, and is undoubtedly the most productive white field corn for the south. We do not, however, consider it a safe crop for this state. Pk. 50c, bu. \$2.00, 2 bu. or more @ \$1.75.

**BRAZILIAN FLOUR CORN.**—This corn stools like wheat, each kernel producing from 8 to 12 small ears, bearing 2 or 3 ears 5 to 6 inches in circumference, 8 to 12 stalks, 8 to 10 feet high. A single stalk is very large and yields to the acre four times more fodder than common corn, adding 100 bushels to the acre in shelled corn. It contains a much larger quantity of starch than any other corn, and can be ground and bolted by the same process as wheat, yielding a fine flour that will make bread, biscuits, etc., nearly as good as those made of wheat flour. Plants two kernels to the hill, thin to one, and cultivate like other corn. It is late, requiring 130 to 140 days to mature. Per peck \$1.00, bushel \$2.50, 2 bushels or more @ \$2.25.

**YELLOW ROSE.**—An excellent variety of corn which is very popular in some sections. It is a smooth ear, grain of medium depth and strong vitality. Grow tall, producing a large amount of fodder. In 1898 it yielded 150 bushels of sound shelled corn to the acre. Matures in about 100 days. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.



HICKORY KING.

**LEGAL TENDER.**—With the exception of our Iowa Gold Mine, we consider the Legal Tender the best variety of yellow dent corn for Iowa, Illinois, Nebraska and the south. It is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is very productive, of uniform pure yellow color, ear very large and long, and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point until near tapering off. It should be capped over and the kernels should hold their bigness toward the point and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of the state. Per peck 50c; bushel \$1.25; 2 bushels or more @ \$1.00.

**STAR LEAMING.**—The Leaming corn, which originated in Mr. Leaming of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra nice lot in the hands of an enterprising Iowa farmer, who had been selecting it for many years. We were greatly pleased with it, but were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of the variety, so that instead of giving it a new name, we call it Star Leaming to distinguish it from other strains. It will ripen in

## TRY FOR PRIZES THIS YEAR. PLANT SEVERAL VARIETIES.

**LENOCHER'S HOMESTEAD.**—(See cut No. 4.) Well known in Iowa from its having won the *Iowa Homestead's* prize of \$100.00 as the largest producer in the state. In 1891 this variety yielded 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. This variety originated with Mr. G. F. Lenocher, one of the most practical farmers and corn growers in the state. Color dark red with lighter colored cap; grain deep and hacked. Ear somewhat above the average in size; cob small and dries out rapidly, so that it has never been caught by frost. We believe it to be a safe corn to plant in any part of Iowa. It shells readily and the grain is so soft that it makes an excellent corn for feeding, although its color is objectionable for marketing. Our seed was grown for us this year by the originator and has been carefully selected by him for seed purposes. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

**EARLY MASTODON.**—(See cut No. 3.) Very popular in some sections of the country owing to its large size and record of enormous yields. In the celebrated *American Agriculturist* corn contest in 1889 the Early Mastodon outyielded every other yellow corn in America, Mr. Alfred Rose, of New York state, raising 213 bushels of shelled corn to the acre. It is hardy, of strong, rank growth, ears of good size. Matures in 120 days. Better plant a few acres of this and try for the prize. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

**EARLY CONQUEROR.**—(See cut No. 5.) A handsome new variety first introduced last year. Ears average from 9 to 11 inches in length. The grain, which is of a rich golden reddish color, is of extraordinary width, averaging about one-half inch across. It seems to possess the peculiar characteristic of growing right along and making a crop during weather and under conditions that ruin other varieties. Excellent for fodder and silage, as it yields an immense amount of fodder as compared with any other early maturing sort. It is especially valuable for hog raisers because of its early earing habit. Matures in 90 days. Per pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.75.

**PRIDE OF THE NORTH.**—(See cut No. 1.) This variety has been grown and improved in the extreme northern part of Iowa. The ears are 8 to 10 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange, and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Per pk. 50c, bu. \$1.40, 2 bu. or more @ \$1.20.

**NEW WHITE CAP YELLOW DENT.**—(See cut No. 2.) This new corn introduced last season for the first time by a professional corn grower has more genuine merit than the Leaming corn, for it grows larger ears, is a better sheller, about a week earlier, and on poor, thin soil will outyield the Leaming by at least 30 per cent. The top ends of the grains are white, the inside yellow. Some corn growers pronounce it a perfect field corn, as to yield, size to ears, color, size of cob and growth of fodder. It is quite highly recommended by many who have given it a trial. Per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.60.

**GOLDEN BEAUTY.**—A large and broad grained yellow corn, with from ten to fourteen straight rows of bright golden yellow grains, filled out completely to the extreme end of the cob. The stalks take strong hold in the ground, grow vigorously to a height of 8 to 9 feet. Matures in 110 to 120 days from planting. Per pk. 65c, bu. \$1.60, 2 bushels or more @ \$1.35.

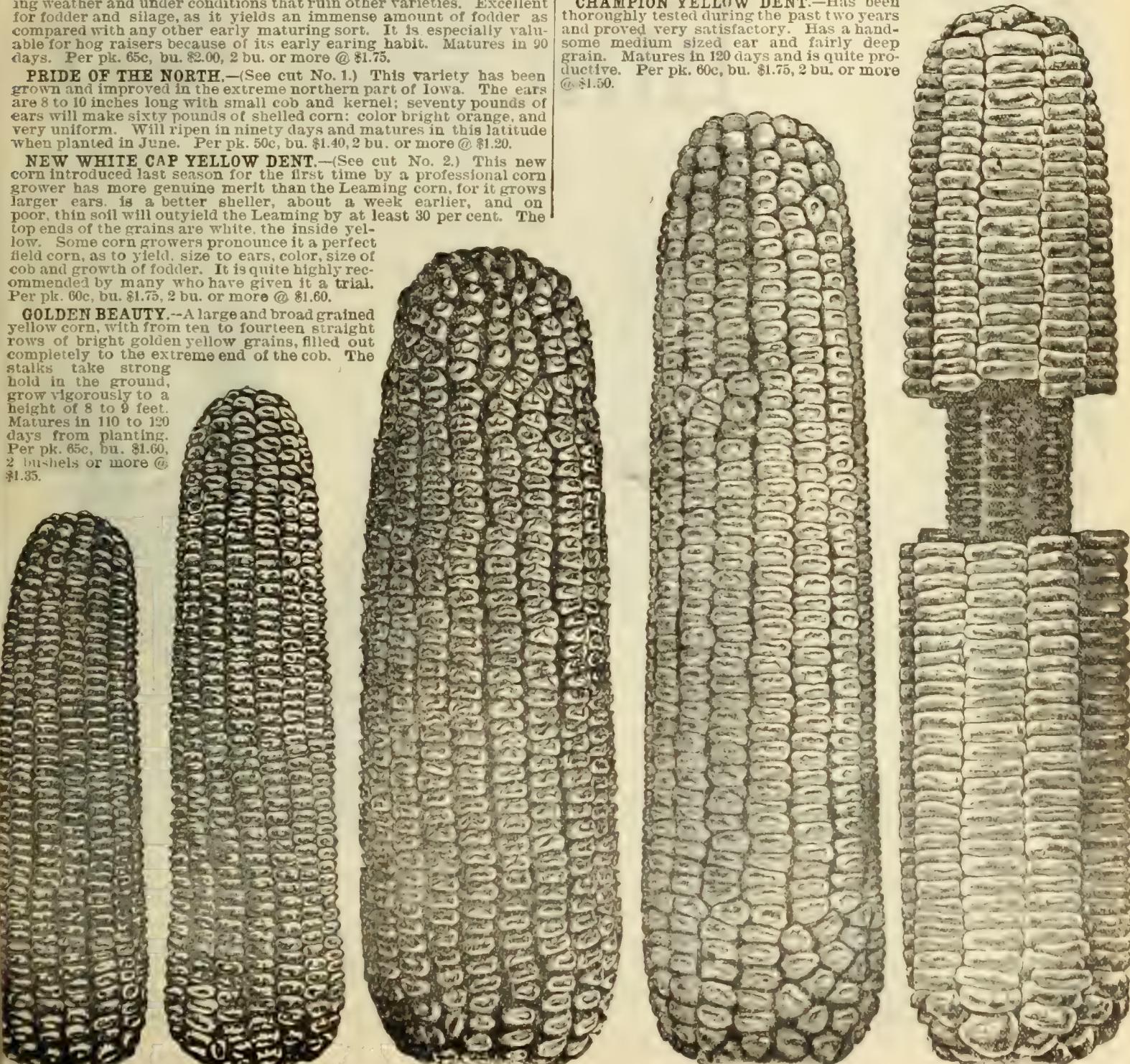
**MAMMOTH WHITE GOURD SEED.**—A favorite in some parts of the south where known and an immense yielder. In the great corn contest of the *American Agriculturist* in 1889 this corn carried off the first prize, yielding 248 bushels in the ear, or 255 bushels shelled, being, we believe, the largest yield of corn ever recorded. Corn was of good quality and large sized ears. We do not recommend this corn for northern farmers as it is late, but it should succeed in all parts of Missouri, Kansas and the south. Per pk. 85c, bu. \$2.50, 2 bu. or more @ \$2.25.

**MORTGAGE LIFTER.**—A widely advertised corn, which, it is claimed, will yield an average crop of 80 to 140 bushels every year. Ears are of medium size, yellow dent, grain deep, on a small cob. This variety of corn is new, but is quite highly thought of in some sections. Better try it. Per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.50.

**CUBAN GIANT ENSILAGE.**—Has been thoroughly tested beside all the large white grain ensilage varieties and it has proved to be a perfect fodder or ensilage corn. Grains pure white, very large, broad and long, showy and of strong vitality. Yields fodder in great quantities and of finest flavor. Best milk producer of all the field ensilage corns, being almost as sweet and tender as sugar corn. Per pk. 75c, bu. \$2.00, 2 bu. or more @ \$1.75.

**BLOUNT'S WHITE PROLIFIC.**—A large growing corn, usually requiring about 130 days to mature. Very productive, usually producing three to eight ears to the stalk, but the ears are not of large size. It is also a most excellent ensilage corn having been known to produce seventy tons of fodder to the acre, sometimes sold as Mammoth ensilage corn. Per pk. 75c, bu. \$2.25, 2 bu. or more @ \$2.00.

**CHAMPION YELLOW DENT.**—Has been thoroughly tested during the past two years and proved very satisfactory. Has a handsome medium sized ear and fairly deep grain. Matures in 120 days and is quite productive. Per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.50.



PRIDE OF NORTH.

WHITE CAP YELLOW DENT.

EARLY MASTODON.

LENOCHER'S HOMESTEAD.

EARLY CONQUEROR.

**GREAT NEW ZEALAND OATS.**

**GREAT NEW ZEALAND OATS.**—This grand new variety was first introduced by us in 1885 and has given remarkable satisfaction, in one instance yielding 102 bushels per acre while other varieties in the same vicinity yielded only 40 to 50 bushels. It originated as follows: About eight years ago a farmer living in New Zealand sent a few grains of a new variety to a friend in Dallas County, Iowa. They were planted in his garden and the crop carefully selected from year to year until he had sufficient to sow a small field and thus give them a practical test in comparison with other sorts. They have proved to be superior in quality and yield to any other kind and have been grown on the same farm ever since, yielding 80 to 100 bushels more to the acre than any of his neighbors, and weighing 31 to 40 pounds to the bushel. The entire stock has been kept in the hands of two men in Dallas and Madison counties, and they unite in pronouncing it excellent. It is a side-oat with long, heavy, full head, longer than we had room to show in cut. It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. It has never rusted and does well on all kinds of soil. About one week later in maturing than the common round head oat, thus giving time to harvest the hay crop. Tested 40 lbs. to the bushel from the machine without recleaning, and gives an extraordinary large yield. They stand out remarkably well, and thus require less seed to the acre.

The *Sentinel* says: "The New Zealand oats tested 86 lbs. to the bushel in 1888, when other varieties grown in the same locality weighed only 18 to 24 lbs. This was partly due to their being rust proof."

E. M. Crosswail says: "I have sown this oat for several years and had an extra yield in measure and in weight, 86 to 40 lbs. every year. It never rusts or lodges and yields more to the acre than any of my neighbors'. It is stately and ironclad."

J. H. Shober says: "The New Zealand oat is the best variety I ever saw, and you are safe in assuring your customers an average yield of 25 per cent more per acre than any of the common varieties, and also that they will weigh more to the bushel. They are rust proof, are a surer crop and better adapted to this country than other varieties."

We have made the price low so that all our customers could give them a trial. Per lb. 25c, 3 lbs. 60c, peck 35c, bushel \$1.00, 2 bushels or more @ 85c, 10 bushels or more @ 80c.

Aug. 12, 1895.—Your Early Harvest Millet sown July 1st is now fully headed out and ready to cut for hay—the earliest variety we have.

A. A. CROZIER, Mich.

**IDEAL BARLEY.**—And it is indeed an ideal which will please everyone who tries it. Our cut well illustrates it. The heads are large and well filled with large, plump kernels which not only are without the objectionable long, harsh beards, but also are hullless. It has never before been offered in any catalogue, but those who have grown it claim that it will produce a very much larger crop than any other variety. It weighs 60 to 65 lbs. to the measured bushel, while ordinary barley weighs only 48 lbs. The hulls of the common barley form quite a proportion of the total weight, but there is no waste in the Ideal—it is hullless. It is a great improvement on the old hullless barley which had a black grain, as the Ideal is white. The straw is very stiff and strong, amply sufficient to stand the weight of the heavy heads. It is the handsomest, most productive and best variety we know of and we are sure it will prove satisfactory. Per pkt. 5c, lb. 35c, 3 lbs. 75c, postpaid. By freight, per pk. 75c, bu. \$2.50.

**CHANGE YOUR SEED OATS THIS YEAR.**

It will pay you to sell your common oats and sow these improved varieties this year while the seed is so cheap. In our field this year the New Zealand oats yielded about 102 bushels to the acre, and the Lincoln 90 bushels while neighboring fields of other varieties under similar conditions yielded only 40 to 50 bushels. The increased yield on a few acres will cover entire cost of seed for your farm.



**LINCOLN OATS.**—When we introduced these oats to our customers in 1883 they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500, were offered for the largest crops grown from one bushel of seed sown, and in our last year's catalogue we published the list of awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln is that it is a very heavy yielder, is comparatively early, has proven to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and for making into oatmeal. Our price is low this year and you should try them. Pound 25c, 3 lbs. 60c. postpaid. Peck 35c, bushel \$1.00, 2 bushels or more at 80c, 10 bushels or more at 75c.



IDEAL BARLEY.

**EGYPTIAN LENTILS.**—Largely used in Oriental countries and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas and thresh out in the fall. All should try them. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 75c. By express, 5 lbs. or more @ 30c per lb.

**AMBER SUGAR CANE.**—This popular variety has very nearly taken the place of other sorts. It is the earliest and makes the finest quality of amber syrup, and also makes good sugar. Succeeds well both north and south. From 100 to 280 gallons of syrup, or from 700 to 1,500 pounds of sugar can be made from an acre of this cane. Our seed is carefully selected and of superior value. Per lb. 25c, 3 lbs. 60c, 10 lbs. or more by express, or freight, 5c per lb., 100 lbs. \$3.00.

**FODDER CANE.**—When sown broadcast this makes one of the most valuable crops for feeding green, and we are tempted to call it *the most valuable forage crop in existence*. Every dairy farmer should put in a few acres. Sow 40 pounds per acre. 10 pounds or more at 4c per pound, 100 pounds \$2.00.

**MANSHURY BARLEY.**—Is one of the best six-rowed sorts grown, with kernels plumper and fuller than the best Scotch barley, while for malting it is the very best known. It is early in ripening, which helps it to fill well, thus it is always plump. It has a strong, upright straw, and yields from fifty to seventy bushels per acre. The heads of this barley are very long, and contain from seventy-five to one hundred great, plump, heavy kernels of grain. Professor Henry, of the Wisconsin Agricultural College, in its report, says: "The Manshury still heads the list in productiveness." Per lb. 25c, 3 lbs. 60c, pk. 40c, bu. \$1.25, 2 bu. or more @ \$1.00.

**SPRING RYE.**—This grain is often planted by the farmers especially for the paper makers, who prefer it to any other. The straw is shorter and stiffer than the winter variety and is always easily secured, while the grain, although smaller, is of equal value. Per lb. 25c, 3 lbs. 60c, pk. 50c, bu. \$1.25, 2 bu. or more @ \$1.10.

**WINTER RYE.**—Our seed is choice and sure to satisfy. Per pk. 40c, bu. \$1.00, 2 bu. or more @ 80c.

**SEED FLAX.**—It pays to own your own flax seed, instead of raising it on contract. It pays to raise flax; in many cases a single crop will pay for the farm on which it was raised. We have a nice supply of seed flax this year. Prices are subject to change during the season; present price is per pk. 65c, bu. \$1.75.

**KAFFIR CORN.**—An excellent fodder plant, yielding two crops of fodder during a season. Grows four to five feet high, upright stalk, with numerous large leaves, greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. It does better sown in drills three feet apart, using six to eight pounds of seed per acre. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.50

**DURRA OR SORGHUM VULGARE.**—Valuable forage plant, growing to ten feet in height and yielding an abundance of gray green foliage. Per lb. 25c. By freight 10 lbs or more @ 6c per lb.

**JAPANESE BUCKWHEAT.**—About a week earlier than the Silver Hull, and yields almost as much again. The flour made from it is equal in quality to that of any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 40c, 100 lbs. \$2.50, equals \$1.30 per bushel.

**EUROPEAN SILVER HULL BUCKWHEAT.**—The grain is of a beautiful light silver gray color, husk is thinner which saves from 15 to 20 per cent waste in the process of manufacturing into flour. Per lb. 25c. By freight, 10 lbs. 40c, 100 lbs. \$2.50, equals \$1.30 per bushel.

**COMMON BUCKWHEAT.**—By freight, 10 lbs. 35c, 100 lbs. \$2.00; equals \$1.04 per bushel.

### Odds and Ends.

**CHINESE TEA.**—We are sure that many of our customers will be glad to grow it as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Is hardy in any of the southern states, and has been grown successfully as a crop in North Carolina. Can be grown as a house plant in the north and kept in pots through the winter. Per pkt. 10c.

**ALPINE STRAWBERRIES.**—Have peculiar rich flavor, superior to our native sorts. Perfectly hardy and easily grown from seed. Per pkt. 10c.

**COTTON.**—Grown as a curiosity in the north, and if started early in the house plants will be loaded with cotton bolls in autumn. Pkt. 5c.

Your Choice Iowa Seeds are hard to beat. Wish you could see our field of Iowa Gold Mine Corn.

M. M. NISSLY,  
Dallas Co., Iowa.



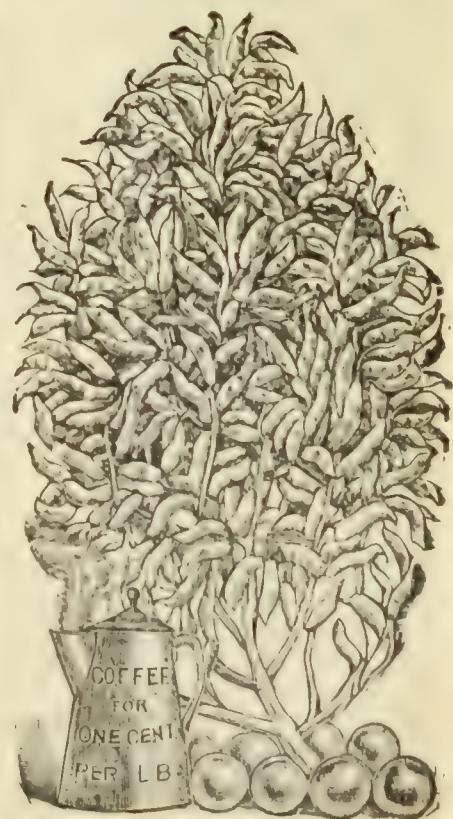
AMBER CANE.

**SOJA BEAN.**—(Coffee Berry.)—During recent years this variety has been largely sold under the name of German Coffee Berry at extravagantly high prices, but we prefer to offer it under its correct name. The berries ripen in about four months from time of planting and produce a crop of twenty to thirty bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to ten tons per acre. Sow broadcast  $\frac{1}{2}$  bushel to the acre, or it may be planted in drills three feet apart and one foot between plants. Per pkt. 5c,  $\frac{1}{4}$  lb. 15, lb. 40c, postpaid. Pk. \$1.00, bu. \$3.50.

The seed I bought of you last spring did well, am well satisfied with the results and will send to no other place for seed in the future.  
W.M. R. HEGGS, Wirt, Iowa.



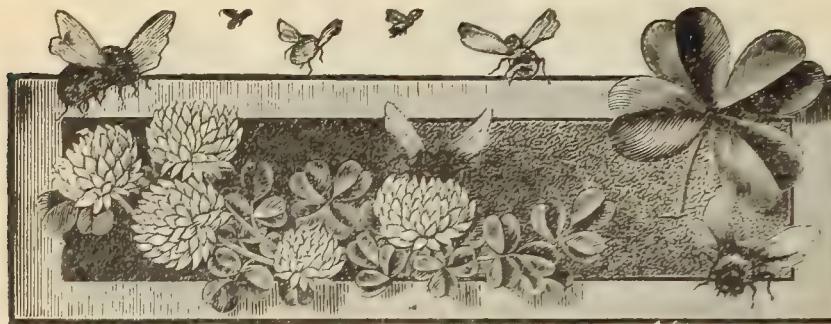
MANSHURY BARLEY.



SOJA BEANS, OR COFFEE BERRY.



KAFFIR CORN.



WHITE DUTCH CLOVER.

**WHITE DUTCH.**—While not a heavy producer, it is valuable in permanent pastures. In connection with Blue Grass, it affords the most nutritious food for sheep and cattle. Also excellent for lawns, making a close, compact growth. Sow six pounds per acre. Per lb. 45c, 3 lbs. \$1.20, postpaid; 5 lbs. or more, by express, 30c per lb.

**ALSIKE OR SWEDISH.**—Unexcelled for hay, and a wonderful crop. All farmers in the Central States who have tried this unite in pronouncing it the best of all clover for hay. It is perennial and very hardy. Very valuable both for pasture and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Will produce a good crop on low wet land. Sow seven lbs. per acre. Per lb. 30c, 3 lbs. 85c, postpaid; 5 lbs. or more, 15c per lb.

**ALFALFA OR LUCERNE.**—Very popular in many portions of the country, and it is especially of value in all parts of the west, northwest and south. Under proper management it will yield at least twelve tons to the acre. All classes of stock are exceedingly fond of it. Horses will do more work and keep in finer condition than on almost any other food. It makes the largest quantity of the richest milk and butter. The roots are so long and grow so deep frost cannot heave or throw them out in winter. One sowing will stand for ten years, and, instead of impoverishing the soil, enriches it. As a fertilizing and land-enriching crop it has no equal. Grows on the thinnest sandy soil and thrives in the greatest drought. The best method is to sow broadcast about 15 or 20 pounds to the acre. Per lb. 25c, 3 lbs. 65c, postpaid; 5 lbs. or more, 12c per lb.

**MAMMOTH RED, OR SAPLING.**—Desirable for hog pasture and to plow under as a fertilizer. Too large for hay unless on very poor soil. Sow 15 pounds per acre. Per lb. 25c, 3 lbs. 60c, postpaid; 5 lbs. or more, 12c per lb.

**CRIMSON CLOVER.**—Also called Scarlet Italian or Giant Incarnate. This is an annual variety in common use in Italy and the south of France for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe cold, freezing weather. In warm climates four or five cuttings are made during the season. It grows about one foot high, roots nearly black, leaves long, blossoms long, pointed, and of a very deep red or carmine color. Makes good hay. Sow in April or May fifteen to twenty pounds of seed per acre. It may be sown in the corn at the time of last cultivation in July. Where the weather is not too severe, it will live and continue to grow all winter, furnishing winter pasture or a crop of hay before corn planting time in the spring. It can then be turned under, and will add greatly to the fertility of the soil. Thus a hay crop and a corn crop may be grown on the same ground in one year, and still the soil will be improved. It may be sown every year in corn, wheat, oats or potatoes, and two crops obtained. The only objection to it is that sometimes it winter-kills in this latitude. Be sure to try it this year. Per lb. 25c, 3 lbs. 65c, postpaid; 5 lbs. or more by express, 10c per lb.

**HONEY OR SWEET CLOVER.**—Very much liked by the bees, and a small patch of it would be nice in any yard or garden on account of its delightful fragrance. Per pkt. 10c, lb. 50c, postpaid; 5 lbs. or more, 35c per lb.

**MEDIUM RED OR JUNE.**—This is the common red clover, used more largely than any other for hay and pasture. Sow fifteen pounds per acre. Per lb. 25c, 3 lbs. 60c, postpaid; by express, 5 lbs. or more, 10c per lb.

## CLOVER SEED.

For several years we have made this a specialty and we now have our electric machinery for cleaning so perfected that we claim that our grades average better than those of any other market and believe they cannot fail to please the most particular. Other seed dealers who happened to be in our warehouse when we were cleaning clover have often remarked that the seed looked so extra nice they should not reclean it. These same lots of seed we were cleaning out five to ten pounds to the hundred pounds of weed seed sand and shrunken clover seed. This makes quite a difference in real value, and our seed is really worth \$1.00 to \$2.00 per one hundred pounds more than that obtained from most dealers.

**BEWARE OF WEEDS.**—The Iowa Agricultural College made a test of clover seed from various parts of the country, and if the farmers could see the full report of same they would thereafter use greater care in buying. Some samples tested 35 per cent of impurities; thus the purchaser would get less than two-thirds of the seed paid for. The impurities were of the worst kind, consisting of rib grass or Lance Leaved Plantain, crab grass, rag weed, tumble weed, heart's ease, dock, pig weed, wild morning glory, smart weed, bind weed, and many others. It don't pay to use such seed. Buy only the best.

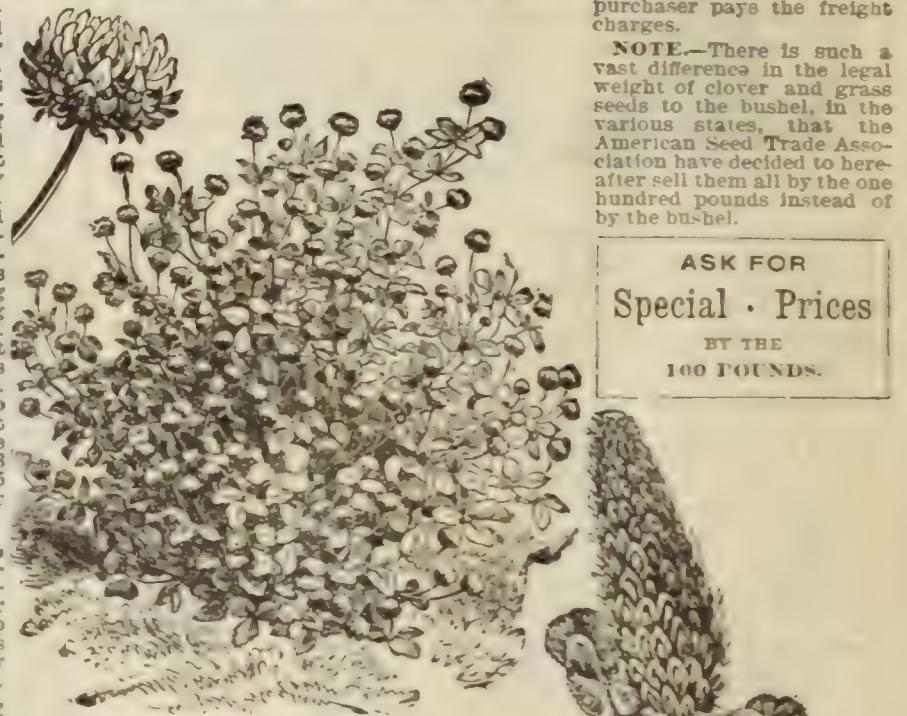
**PRICES** on clover and grass seeds are changing almost daily, so that we are unable to quote prices on any quantity which will be variable. Don't fail to write for prices before buying. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent, on day order is received. At the above quoted price the purchaser pays the freight charges.

**NOTE.**—There is such a vast difference in the legal weight of clover and grass seeds to the bushel, in the various states, that the American Seed Trade Association have decided to hereafter sell them all by the one hundred pounds instead of by the bushel.

**ASK FOR  
Special · Prices  
BY THE  
100 POUNDS.**



ALFALFA CLOVER.



ALSIKE CLOVER.



CRIMSON CLOVER.

### COLLECTION OF CLOVERS.

One ounce each of the above seven kinds of clover for 30c, postpaid. One pound each of seven kinds by express, \$1.00.

## GRASS SEEDS.

We are the largest dealers in this line in central Iowa, and our trade has been built up by handling only the best grades of new re-cleaned seed. We have pleased thousands of others and can please you with our choice Iowa grown seeds.

**PRICES.** Grass seeds are sold on a very close margin of profit and prices are constantly changing with the market. Should you desire anything in this line, be sure to write us for special prices, naming the quantity needed. At the five-pound rate purchaser pays the freight charges.

**RED TOP.**—Grows almost everywhere, but in a moist, rich soil it reaches its highest state of perfection. This variety and timothy are the only grasses known and cultivated in many localities, but where the good qualities of the other natural grasses are known these two are considered inferior. For a pasture red top should be fed close, as cattle don't like it when it grows up to seed, and in a meadow it soon becomes hard and woody if not cut at the right time. It is the grass for swampy land and considerably used for lawns. Sow 14 lbs. per acre. Pound 25c, 3 lbs. 60c., postpaid. 5 lbs. or more at 10c. per lb.

**FANCY CLEANED RED TOP.**—Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 20c. per lb.

**SWEET VERNAL.**—Although this variety does not rank as high as some others for nutritive qualities, yet it is very valuable on account of its delicious perfume, when included in hay its aroma is imparted to the other grasses, enhancing the value of the hay and making it relished by the stock. The odor is more distinguishable when the hay is made.

**KENTUCKY BLUE GRASS.**—Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is very productive and unusually early in spring, furnishing delicious food throughout the season for all kinds of stock. It is not easily affected by drouth or frost, is suited to any variety of soils, succeeding best on a moist, rich meadow. For permanent pastures it is particularly valuable, being of dwarf growth, therefore, not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, Kentucky grown and the best grade, "Fancy Cleaned." Beware of the Canada blue grass, which does not make as good pasture as the Kentucky, and the seed contains a considerable proportion of Canadian thistle, which would be a great damage to any farmer, but can be purchased at about half price. Sow 14 lbs. per acre for pasture and 40 to 50 lbs. for lawns. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 15c. per lb.

**PERENNIAL RYE GRASS.**—A nutritious permanent grass for meadows and pastures, or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. Sow 25 lbs. per acre. Pound 35c, 3 lbs. 90c., postpaid. 5 lbs. or more at 15c. per lb.

**WOOD MEADOW GRASS.**—This grass is invaluable for wood pastures or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It is relished by all kinds of stock, cattle showing a marked partiality for its fine, succulent and very nutritive herbage. It grows on almost any soil, succeeding best in moist shady places, being remarkable for its quick successive growth when closely cropped. For lawns overshadowed by trees it is particularly valuable, and it produces a very thick growth and a nice even sod. It is a hardy perennial, 1½ to 2 feet high, flowering in June. Sow 25 lbs. per acre. Pound 50c, 3 lbs. \$1.25, postpaid. 5 lbs. or more at 35c. per lb.

**CRESTED DOGSTAIL.**—For permanent pastures on high land and dry, hard soils it is invaluable. Makes a close thick sod, and is valuable for lawns. Sow 15 lbs. per acre. Pound 75c, 3 lbs. \$2.00, postpaid. 5 lbs. or more at 50c. per lb.

**RHODE ISLAND BENT.**—Very valuable for permanent pasture and lawns. Does well on poor soil. Sow 25 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 25c. per lb.

**MEADOW FESCUE.**—This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are especially fond of it, being one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes. Sow 25 lbs. per acre. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 20c. per lb.

**SHEEPS' FESCUE.**—This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are especially fond of it, being one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes. Sow 25 lbs. per acre. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 20c. per lb.

**ORCHARD GRASS.**—This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are especially fond of it, being one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes. Sow 25 lbs. per acre. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 20c. per lb.

**WOOD MEADOW.**—Very valuable for permanent pasture and lawns. Does well on poor soil. Sow 25 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 25c. per lb.

**WEEVIL BENT.**—Very valuable for permanent pasture and lawns. Does well on poor soil. Sow 25 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 25c. per lb.

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EARLY HARVEST MILLET.

side of other varieties that were not worth cutting. German millet, and unlike any other variety of millet, it has a branching head, similar to the old-fashioned cane head. It ripens about two weeks ahead of the German millet, therefore is much more sure of a crop. Grows from three to four feet high, has an abundant growth of fodder on the stalks and bears a heavy crop of plump seed. Per lb. 25c, 3 lbs. 60c, postpaid. 5 lbs. or more at 4c per lb., 100 lbs. \$2.50, equals \$1.00 per bushel.

**COMMON MILLET.**—Sow fifty pounds to the acre. Five pounds or more at 4c per lb., 100 lbs. \$2.00, equals 96c per bushel.

**GOLDEN WONDER MILLET.**—Five pounds or more at 5c per lb., 100 lbs. \$3.00, equals \$1.44 per bushel.

**HUNGARIAN.**—Preferred by some to millet. Sow fifty pounds to the acre. Five lbs. or more at 4c per lb., 100 lbs. \$2.50, equals \$1.20 per bushel.

**CENTRAL PARK LAWN GRASS.**—To the attractiveness of a rural home nothing adds more than a well kept, close, velvety lawn. The first requisite is good seed, and for this purpose we can confidently recommend our Central Park lawn grass seed. This is the very best quality of a mixture of the finest varieties of natural grasses, embracing such as are of neat growth, hardy and best adapted to produce a permanent and fine turf. The quantity of seed required per acre is about forty to fifty pounds, or one pound will sow a space about twenty-five feet square. This is much cheaper and makes a better lawn than sodding. Per lb. 35c, 2 lbs. 60c, postpaid. By express or freight, 10 lbs. \$1.90, 25 lbs. \$4.50, 100 lbs. \$15.00.

**EVERGREEN LAWN GRASS.**—A cheaper mixture than the above, but still very desirable for lawns and parks. Per lb. 30c, 3 lbs. 75c postpaid. By express or freight, 10 lbs. \$1.00, 25 lbs. \$2.50, 100 lbs. \$12.50.

**TERRACE LAWN GRASS.**—For sowing on terraces or sloping ground. The roots help hold the soil in place. Per lb. 50c, 3 lbs. \$1.25. By express, 10 lbs. or more at 30c per lb.

**LAWN FERTILIZER.**—A plant food which will force a luxuriant growth 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.25, by freight or express.

**PURE BONE MEAL.**—Excellent fertilizer for lawns. 10 lbs. 40c, 25 lbs. 75c, 100 lbs. \$2.25.

**DWARF ESSEX RAPE.**—A forage plant of great value, easily grown in any part of the United States on any land that will bear turnips or corn, and will furnish abundant supplies of succulent feed material in pasture at a season when it is most needed. It is a great value for sheep and goats and lambing in the fall to use a common expression, "they soon weigh like little balls." It is also a valuable for pasturing cattle. One acre of rape is sufficient to pasture 10 to 15 lambs on four to two and one-half acres. It is a very well balanced, about five pounds to the acre, but will yield much better if drilled at 10 lbs. per acre in rows 22 inches apart, and cultivated until plants are 6 to 8 inches high. Seed may be sown in May or June, or in the fall, sowing until June or July. It can, however, be sown with grain in the spring, and it is said to be a better feed with the grain crop. The Dwarf Essex rape is unequalled as a pasture for sheep in the summer, and is a luxuriant food without a rival in point of cheapness. It will also keep a long time in cold winter if cut and dried in heaps like shocks of hay. Large pkt. 5c, lb. 35c, 3 lbs. \$1.00, postpaid. By express, 5 lbs. or more \$2.25 per lb., 25 lbs. \$5.00, 100 lbs. \$15.00.

**PERMANENT PASTURES.** Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to either and that they alone, but such is the case. We can furnish the seed of the best varieties of grasses mixed in proper proportions in three mixtures. For high dry land or land liable to suffer from drought. For low wet land or swampy ground or for Medium. It requires about thirty pounds of the mixtures to sow an acre and we will furnish 30 pounds for \$1.00, 100 lbs. for \$12.00. Ask for price on large quantities.



DWARF ESSEX RAPE.



GERMAN MILLET.

**EARLY HARVEST MILLET.**—This new variety was produced by sowing the Golden Wonder and Manitoba millet together and they formed a perfect cross or so-called hybrid, the seed being different in size, shape and color from either of its parents. It is as early, if not earlier, than the Manitoba, while the head is more like the Golden Wonder, being not so long but much fuller. The fodder stays green and in excellent condition even after the seed is fully ripe, differing in this respect from any other kind. The crop from which our seed was harvested was cut just fifty-one days after the seed was sown. Thus it would be easy to raise two crops in one season on the same ground. It ripens seed before pigeongrass or any kind of barn grass, and yields 40 bushels of seed to the acre. The hay is fully equal to the Golden Wonder and is as good as any variety of millet. The stem is well filled with broad leaves instead of having leaves simply at the base and makes just as good hay when cut after seed is ripe as other millets do cut green.

Prof. A. A. Crozier, of the Michigan Agricultural College, tested it this last season and writes us: "Your new millet is the earliest kind of millet we have out of 73 samples from various parts of the world, and quite different from either the Common millet or Hungarian, and I think it will also prove productive."

A. J. Doore, of Butler county, Iowa, on whose place it originated, says: "The millet is all I expected it to be, and beats all and every kind of millet I have ever seen. It is extremely early, of very compact growth, and yields a splendid crop of most excellent hay, the best, in fact, that I ever saw. Will produce two crops in one season and the seed is very heavy, weighing nearly 60 pounds to the bushel."

All things considered, we believe it to be the millet of all others for the Iowa farmers, and advise all to try at least a small quantity this year. Per large pkt. 5c, 10c, 25c, 3 lbs. 60c, postpaid. By freight, 5 lbs. or more @ 6c, 100 lbs. \$3.50, equals \$1.00 per bushel.

**GERMAN MILLET.**—Much better than common and yields much more. One of the best for hay or fodder crops; three to four feet high, a great yielder. Large close heads. The seeds are round, of a golden yellow color. Sow 50 pounds to the acre. 5 lbs. or more at 4c per lb., 100 lbs. \$2.50, equals \$1.00 per bushel.

**MANITOBA MILLET.**—Has been thoroughly tested and has proved to be the best millet for withstanding drouth, maturing a good crop when planted by the side of other varieties that were not worth cutting. The seed is about double the size of Common or German millet, and unlike any other variety of millet, it has a branching head, similar to the old-fashioned cane head. It ripens about two weeks ahead of the German millet, therefore is much more sure of a crop. Grows from three to four feet high, has an abundant growth of fodder on the stalks and bears a heavy crop of plump seed. Per lb. 25c, 3 lbs. 60c, postpaid. 5 lbs. or more at 4c per lb., 100 lbs. \$2.50, equals \$1.20 per bushel.



MANITOBA MILLET



AUSTRALIAN.

**BROOM CORN.**—This is a profitable crop and should be more largely cultivated. Our seed is carefully selected, and every grower should plant two or more sorts, to make a crop more certain.

**Japanese Evergreen.**—Long brush, fine and of good color. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.00. 25 lbs. \$2.00, 100 lbs. \$6.00

**Australian.**—Is really the finest and makes the most even and perfect shaped and colored huri brush of any variety that we have ever seen, almost every pound of it being straight, of light green color, and suitable for the best parlor brooms. It is much more productive than most other kinds, the brush is much longer and is sure to bring a higher price. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$6.50.

**Wilson's Improved Evergreen.**—An improvement on the Tall Evergreen. It stands well, is long and free from crooked brush. Per pound, 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.00, 25 lbs. \$1.50, 100 lbs. \$4.50.

**California Golden.**—Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

**Tall, or Missouri Evergreen.**—A standard sort. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

**Dwarf Evergreen.**—Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

**FIELD PEAS.**—Each year there is a large increase in the number of our best farmers who sow field peas, and they claim they are one of the most profitable crops for fattening stock, and especially for hogs. Stock eat them with great avidity. Also profitable for marketing as dry or split peas. Sow two bushels to the acre, or, if with oats, one bushel of each.

**Golden Vine.**—The best variety of all as they yield the largest crop, are not effected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Give it a trial. Per pk. 75c, bu. \$2.00.

**White Canada.**—More used than any other. Per pk. 60c, bu. \$1.65, 2 bu. or more @ \$1.50.

**Blue or Green.**—Like above, except that color is a bluish green. Per pk. 65c, bu. \$1.75, 2 bu. or more @ \$1.60.

**PROLIFIC TREE BEANS.**—Quite a valuable variety for field culture; grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yielding 45 bushels to the acre. The beans closely resemble the White Navy. Per pkt. 5c, 1/4 pt. 15c, qt. 40c, postpaid. By freight, per pk. \$1.00, bu. \$3.50.



TURKISH RED. VELVET CHAFF.

**TREE AND HEDGE SEEDS.**—As tree seedlings make but a small growth the first season, it is best to plant in rows or beds and transplant to permanent places at one or two years old. It is well to protect the first winter with straw or hay. Postage prepaid except at the five-pound rate, at which purchaser pays the charges. Packets of any at 5 cents each.

**American White Ash.**—1/4 lb. 15c, lb. 50c, 5 lbs. or more @ 25c.

**Box Elder.**—1/4 lb. 15c, lb. 50c, 5 lbs. or more @ 25c.

**Spectiosa or Hardy Catalpa.**—Oz. 10c. 1/4 lb. 25c, lb. 85c, 5 lbs or more @ 50c

**Honey Locust.**—1/4 lb. 20c, lb. 50c, 5 lbs. or more @ 25c.

**Black Locust.**—1/4 lb. 20c, lb. 50c, 5 lbs or more at 25c.

**Russian Mulberry.**—Its rapid growth, beautiful form and foliage, and, more than all, the excellence of its timber and fruit, make it a valuable tree for the northwest. Oz. 20c, 1/4 lb. 65c, lb. \$2.00.

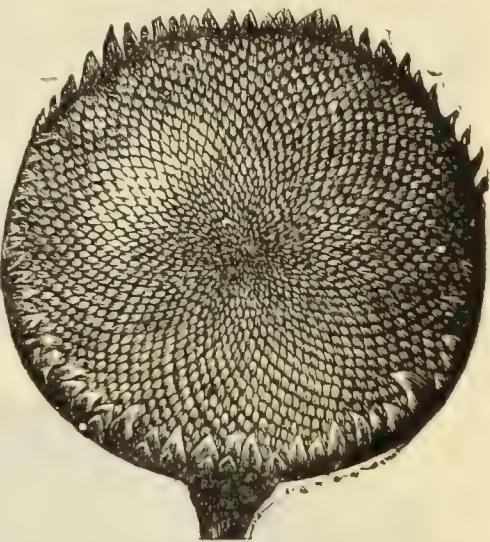
**Osage Orange.**—It makes a handsome and durable hedge. Lb. 50c, 3 lbs. \$1.25, pk. \$2.00, bu. \$7.00.

**Tree of Heaven.**—Of rapid growth and tropical appearance.

**Hardy.** Oz. 10c, 1/4 lb. 30c, lb. 75c.

**MAMMOTH RUSSIAN SUNFLOWER.**—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. The seed makes the best of food for poultry and can be raised at a very trifling cost (about one-third the cost of corn), and the stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria. Lb. 25c, 3 lbs. 65c. By express, 10 lbs. or more at 8c per lb.

**VELVET CHAFF OR BLUE STEM WHEAT.**—Several years' test has proven that this does the best of any sort throughout Iowa. It is a remarkable, semi-hard spring wheat, yielding large crops free from rust. The millers here pay five cents per bushel more for it than for any other sort. Lb. 25c, 3 lbs. 60c, lk. 50c, bu. \$1.25, 2 bushels or more @ \$1.10.



MAMMOTH RUSSIAN SUNFLOWER.

**TURKISH RED WINTER WHEAT.**—Has proved invincible, every year without exception producing a good paying crop. It is strictly IRON-CLAD and almost entirely free from rust, blight and scab, and lives through winter in the most exposed places. It has a record of 44 bushels to the acre. The grains are plump and handsome and quite hard. Per bu. \$1.00, 2 bu. or more @ 90c.

**PRIMITIVE OR HUSK CORN.**—It is from this wild variety that all of our cultivated kinds have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Some stalks bear as many as twenty ears. Large pkt. 10c, lb. 65c, postpaid.

**EVERGREEN FODDER SWEET CORN.**—This is one of the most valuable items on the list for stock farmers and one which they should devote more land to. Last year our sale for it was fully three times that of the previous season and it has everywhere proved highly satisfactory. Our corn will yield a large quantity of fodder which is rich and nutritious. Valuable for feeding hogs and milch cows. Dairy farmers will find that our Evergreen fodder corn is fully double the value of field corn for fodder purposes. It has a good stalk filled with large, succulent leaves, which are greatly relished by stock. Per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.50.

**GIANT MEXICAN JUNE CORN.**—A giant among corn, growing from 16 to 20 feet in height, with ears 10 feet from the ground. A grand variety for grain in the south, for the silo in the north, and a grand curiosity for every section. It is exceedingly leafy in its upper sections and this gives special value to it for the silo. A few stalks of this giant among corn make a grand sight in any garden. It is a white dent with a good sized ear. Pkt. 5c, 1/4 lb. 15c, lb. 50c, postpaid.

*The Clover Seed bought of you last year was the finest I have ever sown. The Lincoln Oats also were fine, and the Iowa Gold Mine Corn is the best corn, to my notion, that I ever raised.*

*J. G. TOOT, Mercer Co., Mo.*



EVERGREEN FODDER SWEET CORN.

## SEED POTATOES.

With no other seed is the importance of change more essential than with the potato. By using our northern grown seed you are assured of early maturity, increased yield and a vigorous growth. Our stock, as usual, has been grown from selected seed, and expressly for seed purposes. The following are the most desirable varieties we have found for this state, and most of them will doubtless be highly satisfactory to our customers elsewhere. Order as early as possible, stating whether you desire them shipped by express or freight, and we will ship as soon as the weather permits. We will ship at any time, when requested to do so, regardless of the weather, but customers in this case must take the risk. Prices are subject to any important market changes. At prices named we make no charges for boxes, barrels or drayage. Special prices on large lots given on application. When to be shipped over more than one line of railroad purchasers should make arrangements to have them go prepaid so as to avoid delay.

**POUND PRICES.**—All varieties 30c per lb., 3 lbs. for 75c, by mail postpaid.

**EARLY SIX WEEKS.**—Claimed to be without exception the earliest potato in existence, but in our tests we do not see that it is in any way ahead of our northern grown Extra Early Ohios; but it is better than the common stock of Early Ohio. Some market gardeners think highly of it, claiming that it will produce 500 to 600 bushels to the acre and we know that it is early, of good size and shape, excellent for table use and a good seller on the market. Per pk. 50c, bu. \$1.50, bbl. \$3.75.



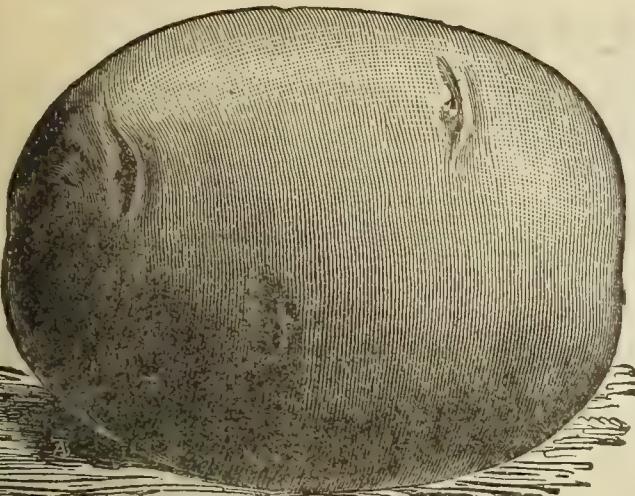
EXTRA EARLY OHIO.

**COLUMBIAN PEACHBLOW.**—Novelty 1893, introduced by the Iowa Seed Company. Every dealer in seed potatoes has numerous calls for the old Peachblow potato, and often in the descriptions various sorts are compared in quality to it. In this grand new variety we have combined all the good qualities of the old variety and none of the poor ones. It originated in this state from a seed ball of the White Peachblow and has been carefully grown and selected. It is an exceedingly handsome variety, the shape and peculiar marking is well shown by our illustration. It is nearly round, but slightly flattened; color a beautiful creamy white, with an irregular blotch of bright red at stem end. Matures about the same time as Bonanza. It is remarkably productive, and the crop averages good medium size. The eyes are very nearly level with surface, except a slight depression at the seed end, a characteristic of the Peachblow. It cooks dry and fine without "cooking off" and is unsurpassed in quality. Keeps splendidly. Have kept them in the ordinary way until State Fair time (about Sept. 1st) nearly one year from the time they were dug, and had them in good eating condition then. Vines very strong and robust but not tall, foliage very dark green, with flower of dark purple. Per pk. 75c, bu. \$2.00.

I make this tardy acknowledgement of receipt of the barrel of Early Ohio potatoes. They were the finest of the kind I ever saw, and believe they will prove a good investment. L. C. EVANS, Maryville, Mo.



**EXTRA EARLY OHIO.**—(Fancy Northern Grown Stock.)—For four or five years past we have been having these grown in the noted Red River valley, about 450 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than our Iowa grown stock. This is a great advantage to the gardener and puts this variety at the head of the list of extra earlies. We have now in our store ready for shipment a large supply and they are the nicest stock we have seen for years. They are all of good average size, strictly pure, smooth, and entirely free from scab and rot. In our tests they are positively the earliest to mature their entire crop of any variety we have ever had, and outyield other early sorts about two to one. It is a special favorite with marketmen, and the most profitable potato they can possibly grow. The sprout is very strong and the vine grows erect, making it easy to cultivate, and on account of its early maturity you can get the high prices and have the land for other crops. It does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size; few eyes, which are even with the surface. They keep firm until late in the spring. One grower reports that for several years past the yield has been from 300 to 500 bushels per acre. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Per pk. 50c bu. \$1.25, bbl. \$3.00.



PARSON'S PROLIFIC.

**VAN ORNAM'S EARLIEST.**—This magnificent novelty, introduced by us, originated with Van Ornam Bros., of Cass county, Iowa, the originators of Burpee's Extra Early and several other standard varieties, and they call this the best of all. Smooth, of excellent shape, and resembles the Early Rose in color before ripe, but turning to a creamy white. Size is large to very large, with few small ones. Skin thick and tough, resisting scabs and worms much better than other early varieties. In table qualities one of the very best. Yields an immense crop during dry seasons. Has ripened its whole crops one to three weeks earlier than the Early Rose or Beauty of Hebron. Per pk. 65c, bu. \$1.75, bbl. \$4.50.

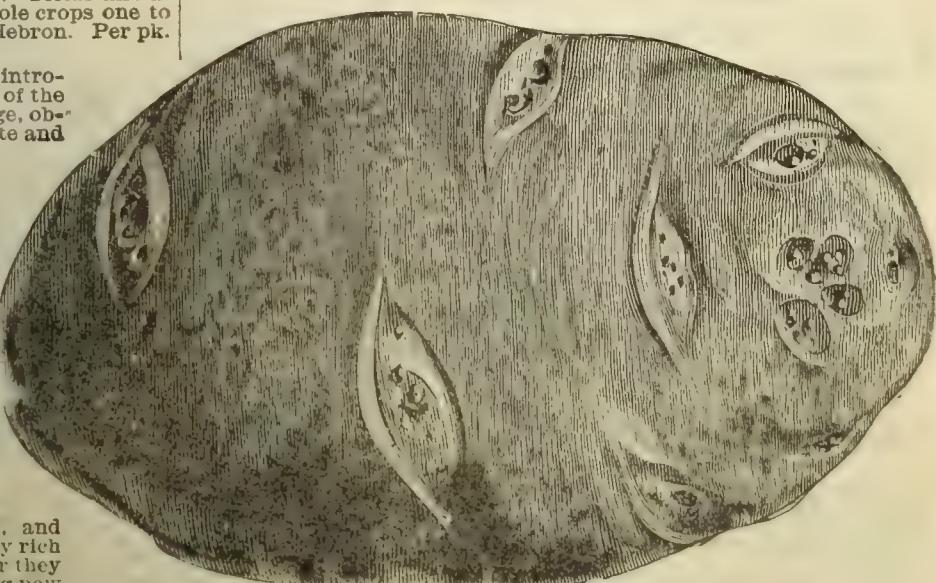
**BONANZA.**—This magnificent variety, which we introduced in 1887, is a medium late, and has become one of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin smooth, flesh firm, white and fine grained. Productive and of superior quality. They sell on the Des Moines market at more than other varieties for table use. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

**EARLY BEAUTY OF HEBRON.**—A standard early sort. Per pk. 75c, bu. \$1.25, bbl. \$3.00.

**WORLD'S FAIR.**—A new potato of great value for general use. It is a first quality, strong grower, very prolific, main crop variety. Tubers are smooth, eyes so nearly even with the surface as to be almost imperceptible, perfectly symmetrical in form and outline; skin yellowish white, well covered with netting; flesh pure white, fine grained and mealy. Vines grow very thick and strong; tubers grow very compact in the hill and near the surface. Per pk. 75c, bu. \$2.00.

**HYBRIDIZED POTATO SEED.**—We have a quantity of very choice potato seed from the flower ball (the true seed) which we are pleased to offer our customers this year. It is from such seed that all the choice new varieties of potatoes are originated, and there is much interest in growing them. Sow in fairly rich soil and give them good cultivation. The second year they develop their characteristics. If desirous of originating new varieties, don't fail to try our Hybridized Potato Seed. Per plt. 15c, 4 pkts. for 50c, postpaid.

**POUND COLLECTION.** One pound each of any ten varieties that you may select from our list for \$1.00. Three pounds each of any ten varieties you may select from our list for \$2.50. These are very desirable collections and we have made them cheap so as to enable you to test all the best kinds at a nominal expense.



VAN ORNAM'S EARLIEST.

**PECK COLLECTION.** One peck each, Extra Early Ohio, Peachblow and Parson's Prolific for only \$2.00. Purchasers of this collection have two excellent early and the two best late varieties, or we will furnish one peck each of any four varieties for \$2.00. It will pay you to include this collection in your order.

## SEED SWEET POTATOES.

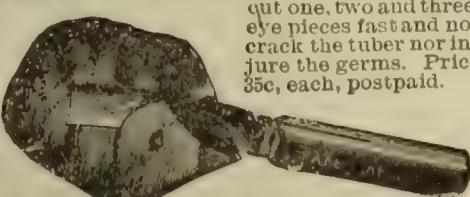
For twenty years past our firm has been known as headquarters in central Iowa for choice seed sweet potatoes. Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. We have large quantities grown on sandy soil near this city, but our main supply is grown for us by the best grower on Muscatine Island, as we consider them better for general use. They are carefully packed in barrels at Muscatine and shipped the same day in special carload lots, arriving here the next morning, and are immediately reshipped to our customers. If desired, we will ship them in barrel lots direct to purchasers from Muscatine at lowest Muscatine prices on day of shipment. So perfect is our manner of packing that there is rarely a complaint, although they are usually considered very perishable, by reason of changes in the weather or rough handling but we cannot guarantee safe delivery. Write for prices on large lots. We ship about April 12th, usually.

**EARLY YELLOW JERSEY.**—In spite of the many so-called new varieties, all of which we have tested, the Early Yellow Jersey holds the first place. The earliest, most productive; of short, "chunky" shape, with few small ones. Per pk. 60c, bu. \$1.40, bbl. \$3.00.

**YELLOW NANSEMOND.**—The old standby; by some growers considered equal to the Jersey. Per pk. 60c, bu. \$1.40, bbl. \$3.00.

**RED JERSEY, RED NANSEMOND, WHITE SOUTHERN QUEEN.**—We can supply choice seed stock of these varieties, if ordered by April 6th, at 75 cents per peck, \$2.00 per bushel, \$4.50 per barrel.

**CONCAVE AND CURVED SEED POTATO KNIFE.**—It is thin and of the right shape to cut one, two and three-eye pieces fast and not crack the tuber nor injure the germs. Price 35c, each, postpaid.





I LOVE FLOWERS. DON'T YOU?

and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, veronica, daisy, billy-hock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant into boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plants.

**NOVELTIES.**—Our list contains all of the most desirable novelties, but instead of separating them we have placed them in alphabetical order with the others, and we believe our customers will find it more convenient for them in ordering. We have this year carefully revised all the descriptions, changing some of them after comparing with the flowers in the field, and we believe no more correct or complete list of desirable sorts can be found in any catalogue.

**A NICE LAWN** is easily obtained by sowing our Central Park or Evergreen lawn grass seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

All flower seeds are sent free by mail on receipt of price.

### Grandmother's Collection.

(Col. No. 7.)

Consists of 10 packets of the old-fashioned favorite flowers, our selection of varieties. Many of these are now beginning to come into favor again and will please young and old. Price 25c.

These collections are put up ready for mailing and cannot be changed or divided. We will furnish all three collections for 85c. They do not duplicate with each other.



ABRONIA.

Trailing habit similar to verbena, bearing clusters of sweet-scented flowers. Effective for bedding in masses, and very desirable for rock work or hanging baskets. In beds sometimes one plant covers a yard square and is full of bloom. Best colors mixed. Pkt. 3c.

### ABUTILON.

A handsome greenhouse plant. Fine mixed. Pkt. 25c.



ADLUMIA.

(Mountain Fringe). A beautiful hardy perennial vine, with fern-like foliage of a pale green color, with pretty flesh-colored blossoms. It is also called Alleghany Vine. Pkt. 10c.

### ACROCLINIUM.

Elegant summer flowering annuals, forming plants about one foot high, bearing quantities of large double flowers of white, rose, etc., 1 to 2 inches across. Splendid everlastings for winter bouquets. Mixed colors. Pkt. 3c.

# FLOWER SEEDS.

Our floral beauties come in for their full share of attention, and in fact we have this year given them more time and space than ever before on our grounds. We have in our employ an experienced specialist in this line, who, under our supervision, attends to growing whatever can be grown to advantage in this country or Europe, and is constantly striving, by selection and hybridization, to improve the leading varieties, and make our choice Iowa flower seeds just what we are striving for—the best in the world. All who truly love the beautiful, and prize all things new and valuable in the floral kingdom, will be interested in the following pages, and also in looking over the flower plant and bulb lists.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we list all the varieties alphabetically together. Annuals, biennials, perennials, climbers and everlastings but mention in the description what class they belong to if they are not annuals. The ornamental grasses are listed separately. This will make it easier to find any sort named.

**OUR PRICES.**—The cost of raising the various sorts of flower seeds varies greatly from such as mignonette, which we can grow a hundred pounds of at but comparatively only a few dollars expense, up to double petunia, which costs us over one hundred dollars per ounce, and some other kinds which are still more expensive. There are but few who care for more than one good sized bed of any sort, therefore we have filled our packets with a sufficient amount and made prices as low as possible, some being only two or three cents each, and we are certain customers will be well pleased with the quantity they contain.

**DISCOUNTS.**—In spite of our very low prices by the packet we still offer flower seeds in packets only to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds nor to seeds by weight or measure.

**DIRECTIONS FOR SOWING, ETC.**—To insure success the conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on many of the seed packets.

The soil best adapted to most flowers is light, rich loam containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seed in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed with soil). Sow the seed in the spring, as soon as the ground is warm enough. Many varieties, such as pansy, veronica, daisy, billy-hock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant into boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plants.

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**A NICE LAWN** is easily obtained by sowing our Central Park or Evergreen lawn grass seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

### Gem Collection.

(Col. No. 8.)

Consists of 10 packets of the latest flower novelties. Our selection, but very desirable and everybody will want them. Try this grand collection and you will be pleasantly surprised at the result. Price 50c.

Of course the children will want a garden and we desire to encourage them and send 6 packets of easily grown flower seeds in making the first year, our selection of sorts for only 15c.



AGERATUM.

**MEXICANUM.** Very desirable for bouquets. Produces a great many fine flowers and has been a long time largely used by artists, starting early. Pkt. 4c.

**ALBIFLORUM.**—Like above, only white. Pkt. 5c.

ADONIS.

**ESTIVALIS.** Brilliant scarlet. Blossoms throughout the season. Foliage is graceful and feathery. Height one foot. Pkt. 3c.

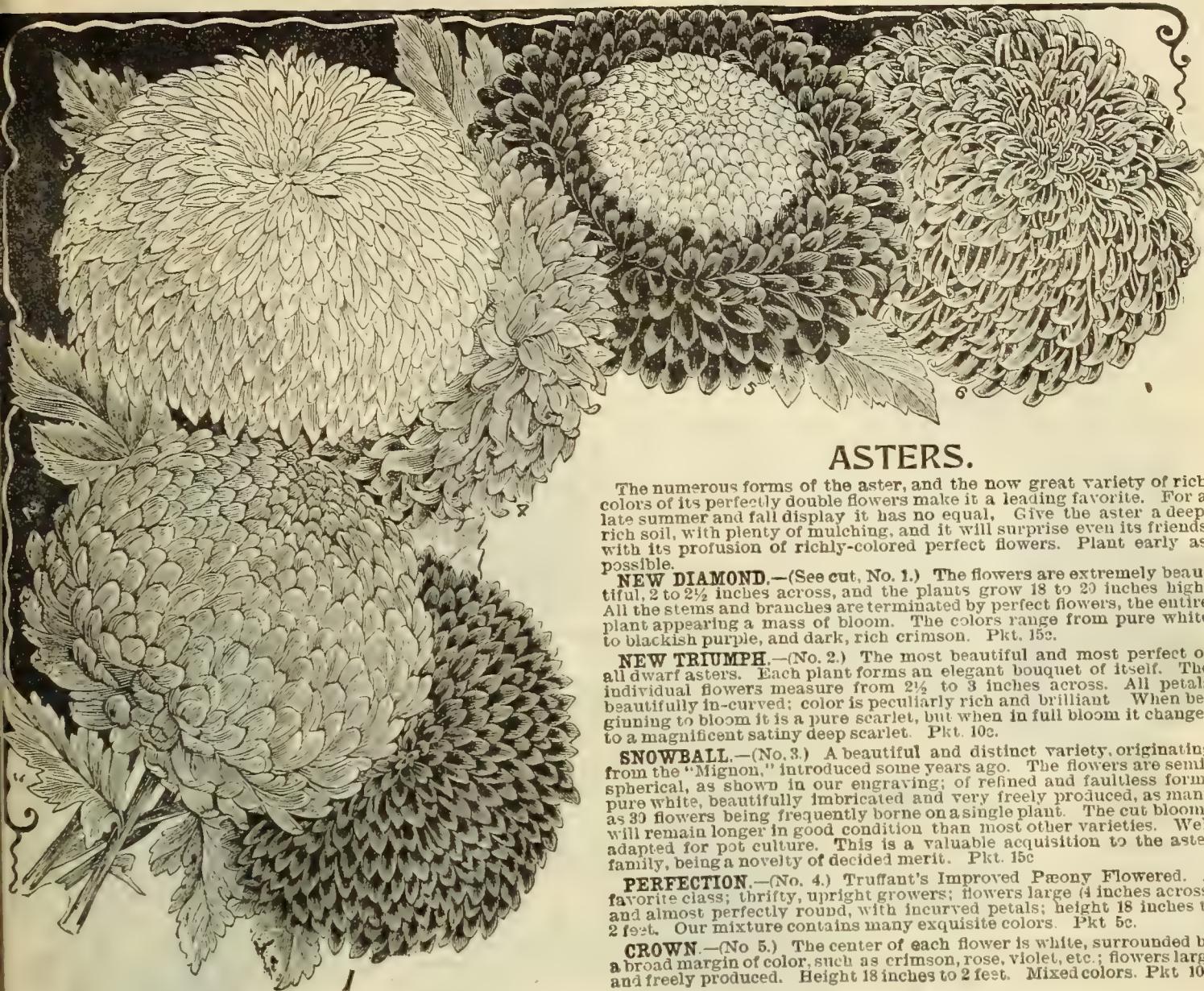


AGROSTEMMA.

A very hardy plant introduced from Russia, suitable for border plants.

**COELI ROSA.** Perfectly hardy plants of the rose family, pinkish red flowers, and a finer species, very useful for cutting for bouquets, and pretty in masses in beds. Also known as Rose of Sharon. About 1 foot high. Deep Rose color. Pkt. 8c.

**ALBA.**—White; fine for cemetery. Pkt. 5c.



## ASTERS.

The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a late summer and fall display it has no equal. Give the aster a deep-rich soil, with plenty of mulching, and it will surprise even its friends with its profusion of richly-colored perfect flowers. Plant early as possible.

**NEW DIAMOND.**—(See cut, No. 1.) The flowers are extremely beautiful, 2 to 2½ inches across, and the plants grow 18 to 20 inches high. All the stems and branches are terminated by perfect flowers, the entire plant appearing a mass of bloom. The colors range from pure white to blackish purple, and dark, rich crimson. Pkt. 15c.

**NEW TRIUMPH.**—(No. 2.) The most beautiful and most perfect of all dwarf asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ to 3 inches across. All petals beautifully in-curved; color is peculiarly rich and brilliant. When beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny deep scarlet. Pkt. 10c.

**SNOWBALL.**—(No. 3.) A beautiful and distinct variety, originating from the "Mignon," introduced some years ago. The flowers are semi-spherical, as shown in our engraving; of refined and faultless form: pure white, beautifully imbricated and very freely produced, as many as 30 flowers being frequently borne on a single plant. The cut blooms will remain longer in good condition than most other varieties. Well adapted for pot culture. This is a valuable acquisition to the aster family, being a novelty of decided merit. Pkt. 15c.

**PERFECTION.**—(No. 4.) Truffaut's Improved Peony Flowered. A favorite class; thrifty, upright growers; flowers large (4 inches across) and almost perfectly round, with incurved petals; height 18 inches to 2 feet. Our mixture contains many exquisite colors. Pkt. 5c.

**CROWN.**—(No. 5.) The center of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large and freely produced. Height 18 inches to 2 feet. Mixed colors. Pkt. 10c.

**COMET.**—(No. 6.)—The shape of this new variety differs from all others, resembling closely the large-flowered Japanese chrysanthemums. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Per pkt. 10c.

**HARLEQUIN.**—A new dwarf pyramidal strain of great beauty, with oddly-spotted and striped very double flowers of red and blue, the same plant often having a great variety of flowers on it. Every one will be pleased with it, and it will always attract great attention. Per pkt. 10c.

**VICTORIA.**—This is a magnificent sort, 20 inches high, vigorous in growth, pyramidal in habit, very free blooming; flowers double to center; very large. Adapted for either garden or window culture. Very brilliant colors, mixed. Pkt. 10c.

**DWARF GERMAN.**—Mixed colors. Pkt. 10c.

**PYRAMIDAL BOUQUET.**—Very fine, mixed colors; each plant forms a bouquet. Pkt. 10c.

**HEDGE HOG, OR NEEDLE.**—Very peculiar, long quilled petals, handsome and sure to attract attention. Pkt. 10c.

**NEW WASHINGTON.**—The largest aster in cultivation, flowers often measuring four or five inches across, perfectly double, fine form, and of many exquisite colors. Plant is pyramidal and very free blooming; mixed colors. Pkt. 10c.

**COLLECTION OF ASTERS.**—One pkt. each of the 12 varieties named above 85c.

**ALL KINDS MIXED.**—Seeds of most of the varieties in above list. Pkt. 5c.

ONE  
PACKET  
...EACH..  
OF THE  
7 GRAND SORTS  
NAMED ABOVE  
FOR  
50 Cts.

**ROYAL MIX-**  
**ED.**—A very  
choice selection  
of all the best  
sorts; none 2d  
grade. Pkt. 10c.

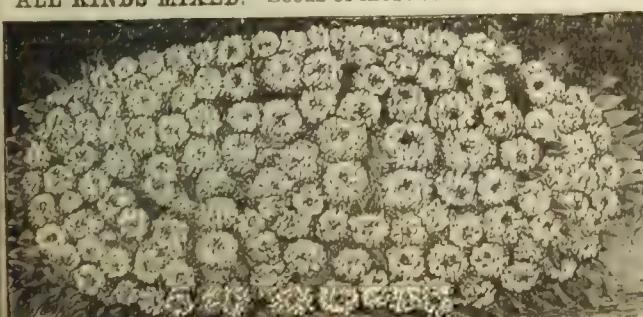


HARLEQUIN ASTER.

## ALYSSUM.

**SWEET.**—Has pretty little white flowers, useful for making up in all kinds of small bouquets. Its fragrance while sufficiently pronounced, is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 8c

**LITTLE GEM.**—The plants are very dwarf and remarkably uniform in growth; grows only 3 or 4 inches high, and each plant spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants begin to flower while quite young and soon become one mass of white, remaining in full bloom from spring to fall. Delicately fragrant. More than four hundred clusters of flowers in full bloom have been counted on a single plant. Pkt. 5c



LITTLE GEM SWEET ALYSSUM.

**AMARANTHUS.**

Prized for variety of handsome foliage, whether grown in conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Should not be planted in the north before May.

**TRICOLOR.**—Leaves yellow, red and green; well known as "Joseph's Coat." Very showy in beds alone. Hardy annual; two feet high. Pkt. 3c.

**STANLEY.**—One of the finest of this showy class of annuals, which produces numerous stalks covered with long, thick panicles of crimson flowers. It commences to bloom shortly after sowing and continues until late in the fall. Height 15 inches. Pkt. 5c.

**CAUDATUS.**—(Love Lies Bleeding.) Produces long, drooping chains of brilliant colored flowers. Pkt. 3c.

**CRUENTUS.**—(Prince's Feather.) Pkt. 3c.

**SALICIFOLIUS.**—(Fountain Plant.) Handsome form, beautiful foliage; very desirable for centers of beds, borders or pot culture. Pkt. 7c.

**MIXED VARIETIES.**—Pkt. 5c.



AMARANTHUS.

**VEITCHII.**—(Boston Ivy.) A good wall plant, clinging to the smoothest surface. Perennial and perfectly hardy. Pkt. 10c.

**AMOBIUM.**

**ALATUM GRANDIFLORUM.**—Very hardy, everlasting, with pretty, double, white flowers. Useful for bouquets. Pkt. 4c.

**ANAGALLIS.**

Low growing plants with remarkably bright, handsome flowers; mixed varieties. Pkt. 10c.

**ANTIRRHINUM. (Snapdragon.)**

One of the most beautiful and useful border plants, blooming profusely the first season from seed, until after frost. The roots may be carried through the winter with protection, and well repay for the trouble by the abundance of bloom through the entire summer. Our mixtures contain all the new and choice colors, including the beautifully striped, variegated and margined.

**TALL VARIETIES MIXED.**—Pkt. 5c.

**TOM THUMB.**—A collection of the most beautiful, very dwarf varieties; mixed colors. Pkt. 7c.

**AQUILEGIA. (Columbine.)**

Too much praise cannot be given to these elegant, free-flowering, and deservedly popular hardy plants, blooming profusely through the spring into early summer. Hardy perennial.

**MIXED VARIETIES.**—Pkt. 5c.

**WHITE.**—Blooms on Decoration Day. Very desirable for cemetery. Per pkt. 10c.

**ARABIS.**

**ALPINA.**—Among the earliest blooming plants, and very useful for rock work edgings, carpet bedding, etc. Flower pure white. Plant 9 inches high and a hardy perennial. Pkt. 10c.

**ARGEMONE. (Prickly Poppy.)**

Free blooming; flowers somewhat resemble the poppy. The foliage is large, pretty full form, and of a pleasant light green color. Mixed colors. Pkt. 3c.



CAMELIA-FLOWERED BALSAM.



ARABIS

**ASPERULA.**

**AZUREA SETOSA.**—A hardy, dwarf growing, little annual producing an abundance of small, light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

**BALSAM.**

Of the most beautiful of our annuals, and under the old names, *Lady Slipper* and *Touch-Me-Not*, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double as the rose; very striking in their rich coloring, ranging from pure

white to rich dark crimson.

**CAMELIA-FLOWERED, MIXED.**—Very double, resembling the camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 10c.

**MAIDEN'S BLUSH.**—A new variety of double balsam, which is of a very delicate and handsome blush color. Pkt. 2c.

**DOUBLE WHITE.**—Very desirable, and largely used by florists. Pkt. 8c.

**PEERLESS MIXED.**—This acme of perfection is made up from the best foreign and American strains, and their beauty is truly marvelous; flowers double as 2 camellia and of all known colors, and plants are loaded with hundreds of flowers. Pkt. 10c.

**ALL VARIETIES MIXED.**—Pkt. 5c.



REX BEGONIA.

**BEGONIA.**

**SINGLE TUBEROUS-ROOTED.**—Finest new single varieties mixed; flowers very large. Pkt. 15c.

**DOUBLE MIXED TUBEROUS-ROOTED.**—Pkt. 25c.

**VERNON.**—Comes absolutely true from seed. The plants grow rapidly and thrive amazingly under our hot summer sun. Per pkt. 15c.

**REX.**—Ornamental leaved varieties. Extra fine mixed. Pkt. 15c.

**MIXED VARIETIES.**—Many excellent flowering varieties. Pkt. 15c.

**FOLIAGE BEETS.**

One of the most effective foliage plants in existence, its leaves producing a wealth of tropical beauty. Its metallic, lustrous and glistening leaves equal any of the most expensive exotics and conservatory plants. Mixed colors. Pkt. 5c.

**BRACHYCOME.**

Also called "Swan River Daisy." Very pretty low growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.

**BROWALLIA.**

**ELATA.**—Produces very delicate and handsome flowers in great abundance. Mixed. Pkt. 10c.

**BALOON VINE.**

A very pretty and rapid growing climber succeeding best in a warm situation. It produces a very curious inflated capsule from which it derives its name. Pkt. 5c

**BRYONOPSIS.**

A pretty climber, with ivy-like foliage and beautifully marked green fruit, which changes to bright scarlet marbled white. Half hardy annual. 15 feet. Pkt. 5c.

**CALLIOPSIS.**

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing just introduced, it would be considered a novelty of rare excellence.

**MIXED COLORS.**—Produces flowers in nearly every shade of yellow, orange, crimson, red and brown. Pkt. 5c.



BRYONOPSIS.

**GOLDEN WAVE.**

Plant very bushy and compact, reaching 2 feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter, with small dark centers. It is indeed a wave of gold. Pkt. 5c.

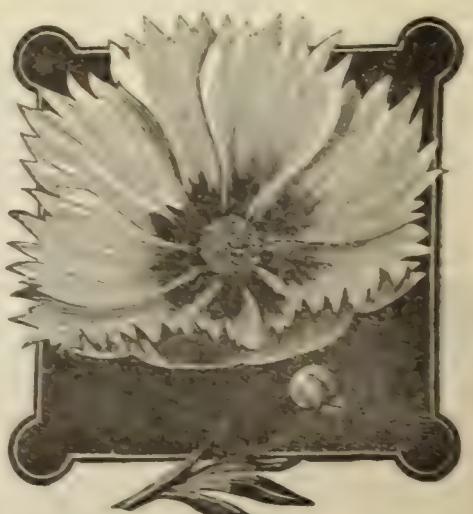
**CALENDULA.**

Belongs to the well known marigold family.

**OFFICINALIS LE PROUST.**—Very double, saffron colored. Fine. Pkt. 5c.

**METEOR.**—A new variety; very fine for pot culture, bearing large light yellow flowers, striped with bright orange. Pkt. 5c.

**PRINCE OF ORANGE.**—Similar to Meteor, but much darker. Pkt. 5c.



GOLDEN WAVE CALLIOPSIS.

**ORIOLE.**—The extra large double flowers are indescribably rich and glowing in tone, of an intensely bright golden yellow, wonderfully free flowering. Pkt. 10c.

**FINE MIXED.**—Pkt. 3c.

#### CAMPANULA.

**SPECULUM.**—(Venus' Looking Glass.) Handsome for masses; hardy, free bloomers. Double mixed. Pkt. 5c.

**CUP AND SAUCER.**—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome when in flower.

**ORIOLE CALENDULA.**—the blossoms literally hiding the plant. Perennial. Pkt. 10c.

**MACROSTYLA.**—A very curious shaped, handsome large violet flower: remarkably fine. Pkt. 10c.

#### CANDYTUFT.

Universally known and cultivated and considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and bloom profusely. Hardy annuals, 1 foot high.

**SNOW QUEEN.**—A new variety from southern Europe, grows rapidly, blooms early and remaining in full flower for about three months. The Snow Queen grows very regularly—each plant being almost an exact counterpart of every other. Valuable for ribbon beds or borders. Pkt. 8c.

#### SPECULUM CAMPANULA.

**CORONARIA.** (Tom Thumb). Dwarf. Pkt. 5c.

**DUNNET'S CRIMSON.**—A Splendid bright crimson. Pkt. 5c.

**BEST MIXED.**—A mixture of all varieties. Pkt. 3c. oz. 40c.

#### CALEMPELIS.

**SCABRA.**—A handsome vine producing bright orange flowers in great abundance. Pkt. 5c.

#### CACTUS.

**FINE MIXED VARIETIES.**—Pkt. 15c.

#### CUP AND SAUCER CAMPANULA.

#### CANARY BIRD FLOWER.

One of the most beautiful of climbers, with delicate, finely cut foliage and curious bright yellow flowers resembling the canary bird in shape and color. Pkt. 10c

#### CANNA.

Fine foliage plants of a highly decorative character; their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. They are easily raised from seeds which should be soaked in hot water for several hours.

**MIXED VARIETIES.**—Pkt. 5c. oz. 10c.

**CROZ Y'S MIXED.**—Very large flowering sort. Choice mixed. Pkt. 10c.

#### CANTERBURY BELLS.

One of the best known and most popular biennials. Produces an abundance of richly colored bloom.

**SINGLE MIXED COLORS.**—Pkt. 5c.

**DOUBLE MIXED COLORS.**—Pkt. 5c.

#### CELOSIA. (Cockscomb.)

One of the most beautiful flowers that can be grown in the open ground. Produce large, ornamental comb-like heads. For summer beds we know of nothing that will produce as showy and brilliant effects. Can be preserved for winter bouquets by cutting off the heads before they are ripe, and drying in the house.

#### CANARY BIRD FLOWER.



#### CANTERBURY BELLS

**GLASGOW PRIZE.**—A very fine semi-dwarf variety, with large, brilliant crimson comb and very handsome dark foliage. Specimens grown on our place for seed measured 10 to 12 inches in diameter. Start seeds early. Pkt. 10c.

**JAPONICA.**—A very bright crimson variety, large and finely cut. Pkt. 5c.

**PYRAMIDALIS PLUMOSA.**—A very handsome feathered sort. The entire plant is of perfect pyramidal form if given room for development.

Flowers are of all shades of scarlet, crimson, yellow and pink. The stalks and leaves are also beautifully veined. Pkt. 7c.

**ALL VARIETIES MIXED.**—Pkt. 5c.



#### Giant Empress Celosia.

#### CENTROSEMA.

**GRANDIFLORA.**—Absolutely new to cultivation but one of the very best in actual merit. It is a hardy perennial vine of rare and exquisite beauty, which blooms early in June from seed sown in April, and bears in the greatest profusion inverted pea-shaped flowers from  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches in diameter, and ranging in color from a rosy violet to a reddish purple, with a broad feathered white marking through the center. It will bloom until frost, and if potted will flower freely in the house. One of the most attractive features is the way in which the flowers look up at you in the face. Every imaginative person sees faces in the Pansy, and this is even more suggestive in Centrosema. Therefore "Look at Me," is not a bad name for it. Pkt. 15c.

#### CACALIA.

**PYRAMIDALIS PLUMOSA.** **COCCINEA.**—A handsome free flowering little plant owing to the peculiar form of the flower, it is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

#### CINERARIA.

**HYBRIDA.**—Very handsome greenhouse plants; fine mixed. Pkt. 20c.

**MARITIMA.**—Silver-leaved. Pkt. 5c.

#### CATCHFLY.

A very pretty and showy little plant, Mixed colors. Pkt. 2c.

#### CLEOME.

**PUNGENS.**—(The Giant Spider Plant.) Growing vigorously four or five feet high, flowering profusely and a perpetual bloomer and of a bright rose color. It is also one of the very best honey producing plants. Pkt. 5c.

#### CLANTHUS.

**DAMPEIRI.**—A beautiful shrubby climber, grown mostly under glass, but does well out of doors in summer time. Flowers brilliant scarlet, growing in clusters. Pkt. 15c.

**GIANT EMPRESS.**—Very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in breadth; very bright purple combs and dark bronze foliage. Pkt. 10c.

**GOLDEN GLOW.**—This is one of the most attractive novelties of the season. Plants large and produce many handsome flowers six to ten inches in diameter and of a most attractive bright, rich golden yellow color, different and more velvety than the yellow in any other flower that we know of. Try it. Pkt. 10c.



#### GRANDIFLORA CENTROSEMA.



DOUBLE CENTAUREA.

the purest white, deliciously scented, exquisitely lacinated, and freely produced on long stems which render them invaluable for cutting. The illustration does not do the flower justice, and gives but a faint idea of its exquisite unique beauty. Entirely different from all other flowering plants and sure to attract attention. Pkt. 10c.

## CARNATION.

The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

**MARGUERITE.**—A decided novelty. The plants are of healthy and vigorous growth, and the flowers are produced in the greatest profusion. They run through quite a variety of colors, white, scarlet, carmine, rose, striped, purple, violet, salmon, etc. Seed sown under glass in March and transplanted to the open ground in May will commence flowering in August and will give an endless supply of their beautiful blossoms for a long time. The flowers are exceedingly brilliant in color, and the calyx does not burst. About 80 per cent of the plants will come full double. Pkt. 10c.

**DOUBLE EXTRA MIXED.**—Pkt. 15c.

**SELFS MIXED.**—The one color sorts Pkt. 10c.

**PERPETUAL, OR TREE.**—Pkt. 25c.

## COLEUS.

One of the most popular foliage plants. It is very decorative in the flower border, and easily grown from seed, which frequently produces new and distinct varieties. Half hardy perennial. Pkt. 15c.



COLEUS.

## COCKSCOMB. (See Celosia.)

## COBOEA SCANDENS.

One of the most magnificent climbers, prized for its rapid growth (often twenty to thirty feet) and an abundance of beautiful blue flowers. The seed should be planted edgewise in moist earth—a pot or box is best—and water sparingly till plants are two or three inches high. Pkt. 10c.

**WHITE.**—New and elegant. Pkt. 10c.



MARGUERITE CARNATIONS.

## CENTAUREA.

**CYANUS.**—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. A very old favorite garden annual, flowering freely in almost any situation; height, 2 to 3 feet. Mixed colors. Pkt. 3c.

**CYANUS DOUBLE.**—A most charming sport from the above, well shown in our illustration. Flowers very large and globular. A continuous bloomer, and becoming quite popular. Our mixture contains a great variety of colors. Pkt. 10c.

**MOSCHATA.**—(Sweet Sultan.) Mixed colors. Pkt. 5c.

**MARGUERITE.**—All who saw this grand new variety on our trial grounds the past season united in pronouncing it one of the handsomest novelties ever brought out. It is named after the lovely Queen Marguerite of Italy. Plants grow about eighteen inches high and are of the easiest culture. The large flowers are of



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BY W.A.B.C.

MARGUERITE CENTAUREA.

## CHRYSANTHEMUM.

One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies," all are indeed charming. Sow seed early in open ground and they will bloom profusely all summer.

**NEW DOUBLE ANNUAL.**—A valuable and most unique novelty. They are extremely variable and it is impossible to describe the beautiful forms which have been produced, as conveyed by our engraving. A great variety of colors, marbles and patterns. Although mostly very double, there will be an occasional semi-double, or even single, but these are almost equally charming. Pkt. 10c.

**INDICUM POMPON.**—Double mixed. This is the most popular Chrysanthemum variety. Very showy and suitable for fall and early winter bloom. Plants potted in the fall make a continuous bouquet for many weeks. Pkt. 10c.



**MIXED VARIETIES.**—Includes all the best. Pkt. 5c.

## CLARKIA.

A very desirable hardy annual for bedding purposes, growing freely and blooming profusely in any common garden soil. Fine mixed. Double and single. Pkt. 3c.

## COSMOS.

A magnificent race of plants growing about 4 feet high, and in fall literally covered with graceful flowers resembling stars, double and better for cutting. About 2 1/2" in diameter; rose, purple, flesh color, and pale yellow. As a cut flower for vases or personal use, its grace and beauty is unequalled. Easily raised from seed; if sown early, blooms the first season. All colors mixed. Pkt. 10c.



## CUPHEA.

**PLATYCENTRA.**—(Cigar Plant.) Greenhouse plant, also makes a handsome border. Flowers of bright scarlet, tipped with black and white. Pkt. 15c.

**PURPUREA.**—Fine mixed. Pkt. 5c.

## DOLICHOS.

**LABLAB.**—(Hyacinth Bean)—An excellent climber for fences and exposed places; mixed. Pkt. 5c.

## DELPHINUM.

**CHINENSIS.**—(Perennial Larkspur). Well known and very desirable border plants, producing their flowers on long spikes. It is one of the best perennials grown. Will bloom first year if sown early out of doors. Eight beautiful colors mixed. Pkt. 5c.

## DIGITALIS.

**FOX GLOVE.** Showy for back grounds and borders, and are beautiful when planted among shrubs. They thrive in any ordinary garden soil. Fine mixed colors. Pkt. 3c.

## The Ladies Say.

We have used your seed on various occasions and have been greatly pleased with the results.

JENNIE MILLER, Atchison, Kan.

Seeds received in exchange for this paper.

NEW DOUBLE ANNUAL CHRYSANTHEMUM.



IOWA  
SEED  
CO'S  
BRILLIANT COLLECTION

1 American Banner Larkspur	10 cts
2 Golden Glow Cockscomb	10 "
3 Giant Flowered Morning Glory	10 "
4 Rainbow Coleus	15 "
5 International Mixed Pansy	25 "
6 Perfected Sweet Peas	5 "

ONE PACKET OF EACH FOR 35 cts.

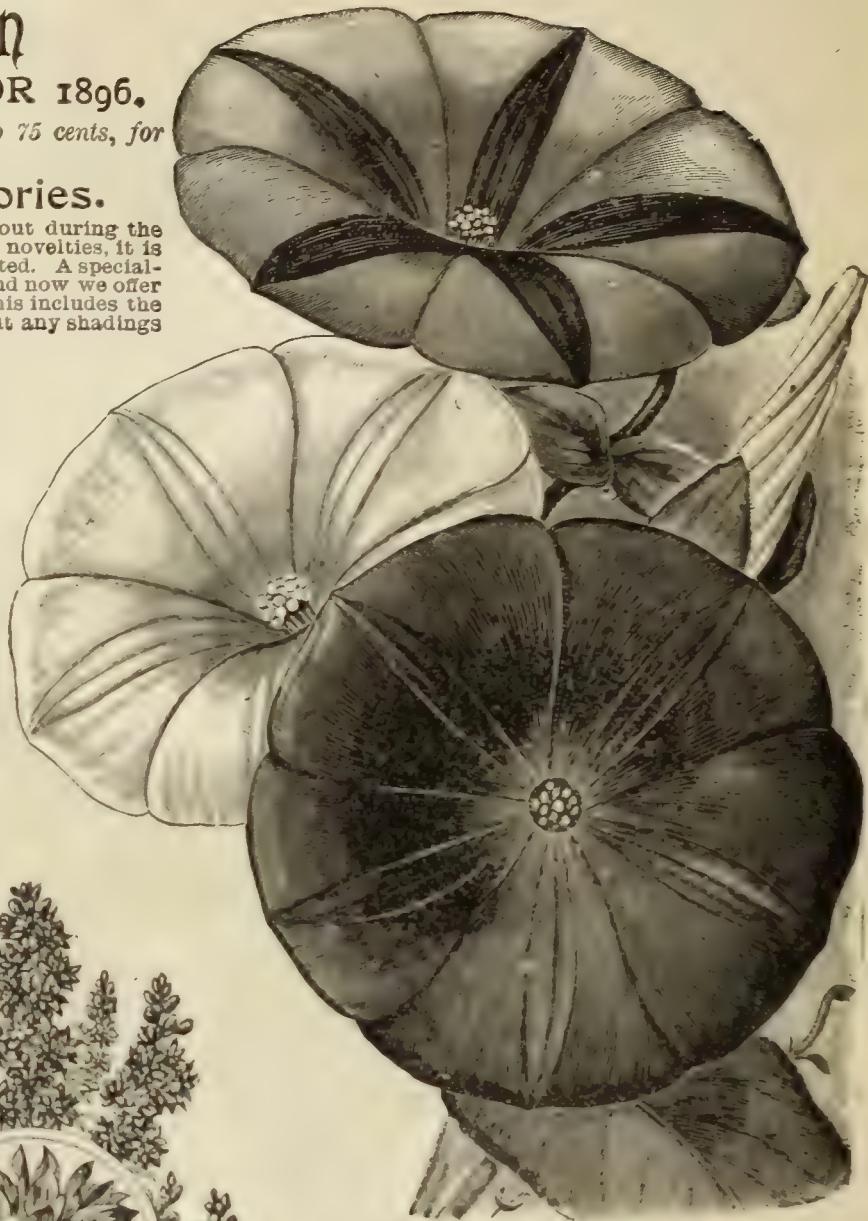
# Brilliant Collection

## OF FLORAL NOVELTIES FOR 1896.

One Packet each of these Six Novelties, amounting to 75 cents, for only 35 cents.

### Giant Flowered Morning Glories.

With the many new flowers which have been brought out during the past few years and the constant search by seedsmen for novelties, it is really strange that this old favorite has so long been neglected. A specialist has, however, been at work to carefully improve it, and now we offer this mixture of choice, new, large flowering varieties. This includes the renowned "Heavenly Blue," a charming steel blue without any shadings whatever; the striped, blotched and marbled varieties with ground of white, blue of all shades, crimson, rose, blood red, violet, etc. It also contains a small percentage of the new yellow flowering and the "Imperial Japanese." The plants are of vigorous, rapid growth, attaining a height of twenty to thirty feet and quickly forming a dense screen for porches, arbors, etc. Everyone should try them. Per pkt. 10c, 3 for 25c,  $\frac{1}{2}$  oz. 40c.



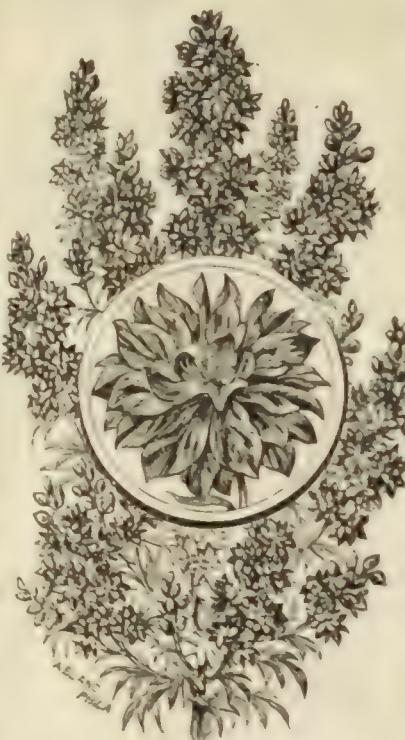
GIANT FLOWERED MORNING GLORY.

### International Mixed Pansies.

In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers, and we have gone to great pains to secure them for our customers. Here will be found the beautiful German pansies, with their rich, soft, velvety colors; the lovely striped and mottled pansies from Belgium, which contrast so strongly with all others; the face pansies of England, in which one can almost see the human face, because of their peculiar spottings; the self colors of Switzerland, which are attractive because of their pure coloring; the fancy show pansies of Scotland, of bright contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. Per pkt. 25c, 3 pkts. for 50c, 7 for \$1.00.

### Perfected Mixed Sweet Peas.

Each year Sweet Peas are becoming more popular, and there is good reason to believe that it is the coming flower of the future. The improvements made during the past few years are greater than in any other flower in the entire list, until we have them now to about as near perfection as they can well be brought. We have therefore named this superb strain the Perfected Mixed, and we are sure our customers will be more than pleased with them. They are of the most graceful form, charming color, exquisite fragrance and simple loveliness. The mixture contains all the most choice new varieties, as well as some of the best of the old favorites. One secret in successful Sweet Pea culture is to plant early and deep, not less than four inches. Don't fail to try them this year. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.



AMERICAN BANNER LARKSPUR.

downward in a dark closet, and will retain their beauty for a long time. It is really the most extraordinary novelty ever offered to the flower lovers of the country. Per pkt. 10c, 3 pkts for 25c.



GOLDEN GLOW COCKSCOMB.

Many flower lovers are in the habit of devoting their entire space in the flower garden to plants which produce flowers, entirely neglecting the fancy foliage plants which are such an attraction in the parks of all large cities. To induce more of our customers to try this elegant class of plants we have had our lithographer truly portray a specimen leaf in its natural colors on the accompanying colored plate. This is a greatly improved variety with wonderfully large leaves, which are curled, serrated, fringed and lacinated in a most beautiful manner. There is an almost endless variety of colors and shades which are variegated and marbled in a regally rich and brilliant manner. Some of the leaves are 8 to 12 inches long by nearly as broad. We are sure our customers will be greatly pleased with them. They produce very little seed and therefore the seed will always be expensive, but our packets contain a liberal amount and after the plants are started they are easily propagated by cuttings. Per pkt. 15c, 4 pkts. for 15c.

### Golden Glow Cockscomb.

Thousands of persons last summer visited the place where we have our flower seeds and bulbs grown and many were attracted to this charming novelty which was all aglow with its golden beauty. Plants are about eighteen inches high and produce handsome flowers six to ten inches in diameter and of a most bright, rich golden yellow color, different and more velvety than the yellow in any other flower that we know of. Sometimes the plant has only one large flower, and sometimes quite a number of smaller ones. Every flower lover should try it. Per pkt. 10c.

### Rainbow Coleus.

Many flower lovers are in the habit of devoting their entire space in the flower garden to plants which produce flowers, entirely neglecting the fancy foliage plants which are such an attraction in the parks of all large cities. To induce more of our customers to try this elegant class of plants we have had our lithographer truly portray a specimen leaf in its natural colors on the accompanying colored plate. This is a greatly improved variety with wonderfully large leaves, which are curled, serrated, fringed and lacinated in a most beautiful manner. There is an almost endless variety of colors and shades which are variegated and marbled in a regally rich and brilliant manner. Some of the leaves are 8 to 12 inches long by nearly as broad. We are sure our customers will be greatly pleased with them. They produce very little seed and therefore the seed will always be expensive, but our packets contain a liberal amount and after the plants are started they are easily propagated by cuttings. Per pkt. 15c, 4 pkts. for 15c.

**CONVOLVULUS.**

Popularly known as Morning Glories.

**IMPROVED CLIMBING.**—(Major) Everybody knows the common morning glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the marbled and striped sorts, varieties with marbled and laciniate foliage, the ivy-leaved kinds—in short—the largest variety of morning glories ever offered in one package. Flowers of large size, and plants climb to a height of twenty to forty feet in one season from seed, producing thousands of flowers. Pkt. 7c, oz. 30c.

**MAJOR STRIPED.**—Large, handsome flowers of great beauty. On a white ground they are variously striped and blotched with red, blue

and rose. Pkt. 5c.

**BLACK.**—A new color, and surely none could be so odd and unique as black, the rarest color among flowers. It does not differ from the ordinary morning glory in any other respect. The flowers are of large size and freely produced. Pkt. 10c.

**MAJOR MIXED.**—Ordinary mixture. Pkt. 2c, oz. 10c.

**MINOR.**—(Dwarf Morning Glory)—These beautiful bush morning glories grow only about one foot high; the flowers are freely borne, and, if pleasant, remain open all day. The plant spreads with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. Pkt. 5c.

**CYPRESS VINE.**

A beautiful rapid climber, with delicate, dark green feathery foliage, and an abundance of bright, star-shaped scarlet and white blossoms, which in the bright sunshine present a mass of beauty.

**NEW IVY-LEAVED.**—Entirely distinct from all other varieties, both in flowers and foliage. The



CYPRESS VINE.

Ivy-like leaves make a dense screen from which the pretty fiery orange-scarlet flowers stand out in countless numbers. It is quick growing and sure to please all who try it. Pkt. 10c.

**SCARLET.**—Very bright. Pkt. 5c.

**WHITE.**—Pretty in contrast with scarlet. Pkt. 5c.

**MIXED COLORS.**—Pkt. 5c.

**CYCLAMEN.**

**PERSICUM.**—One of the hand somes of greenhouse plants. Foliage is handsomely marked and the flowers beautiful. Seed should be sown under glass in well rotted compost and sand. Tuberous rooted, blooming second year. Best strain. Mixed colors. Pkt. 5c.



CYCLAMEN.

**DAISY.** Popular perennials, blooming the first year from seed; very handsome for borders or pots; best double mixed. Pkt. 8c.

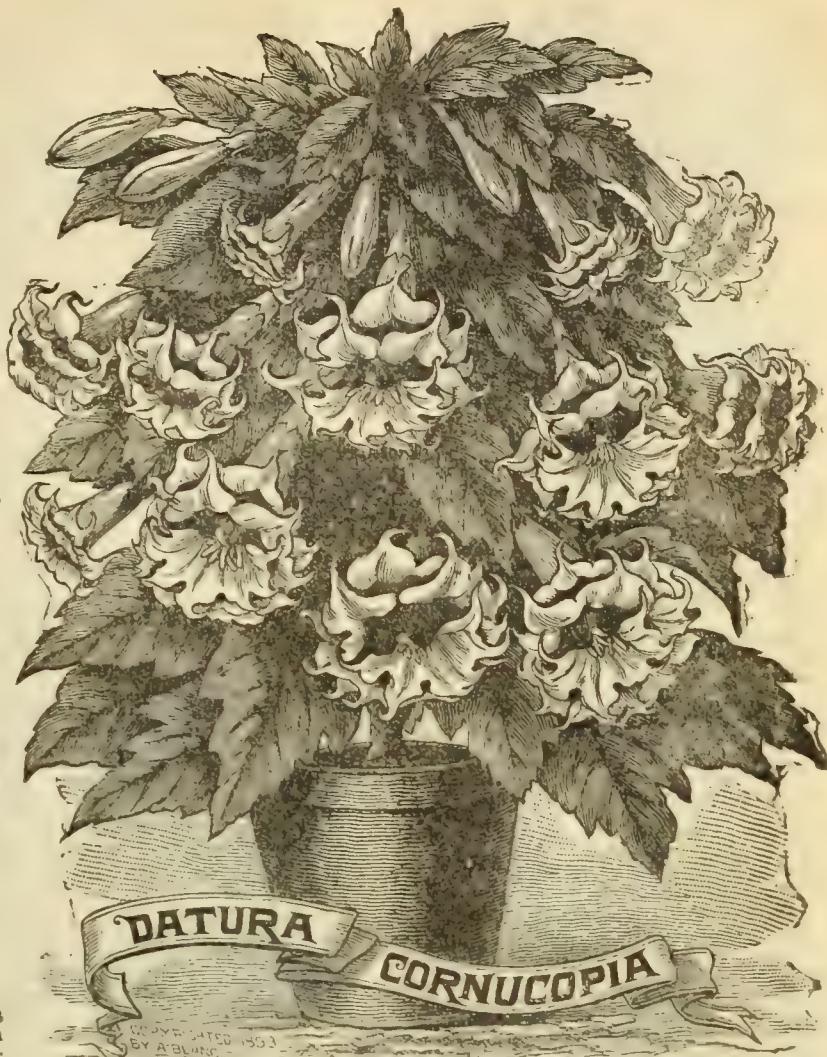
**NEW GIANT SNOWBALL.**—A most charming variety of this handsome little flower. It has unusually large, double flowers on very long stems, making it very valuable for cutting. Color, a pure snow white. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Pkt. 15c.

**DIAMOND FLOWER.**

A very pretty little plant covered with numerous small shining flowers. Pkt. 10c.



GIANT SNOWBALL DAISY.

**DATURA.**

A large, strong growing plant, with trumpet-shaped flowers, and bearing blooms of large size.

**CORNUCOPIA.**—A magnificent novelty of striking beauty. The plant is of robust habit, about three feet high. The stems, of dark purplish maroon, shine as if varnished. The flowers average eight inches long by five inches across the mouth, are formed of two to three flowers growing one within the other, the interiors being glistening French white, contrasting beautifully with the mottled royal purple exteriors. The flowers are delightfully fragrant. Seeds started early in the house will produce plants that will flower from early summer till frost. Often from 200 to 300 flowers are borne in a season. For specimens in the garden, this novelty is extremely beautiful. Pkt. 10c.

**NIGHTINGALE.**—A very profuse large flowering sort of pure satiny white, very handsome flowers four or five inches in diameter and 8 to 10 inches long. Pkt. 10c.

**DOUBLE VARIETIES MIXED.**—Pkt. 5c.

**DIANTHUS.**

The dianthus, or Chinese pink, has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They live over winter and bloom as well the second year as the first. They are quite as pretty for pot plants in the house as carnations. Indeed, their variety of color is more varied and pretty, while they are freer bloomers. Plants from seed grow and bloom very quickly. We know we are doing our customers a kindness by urging them to plant the dianthus for both garden and pots.

**MOURNING PINK.**—A magnificent new variety, with very double large flowers of a very dark mahogany, almost black, each petal edged with a clear cut margin of pure white. Pkt. 10c.

**HEDDEWIGI.**—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.



HEDDEWIGI.

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BY W.A.B. & CO.

## NEW TOM THUMB DAHLIA.

**DOUBLE DIADEM PINK.**—Superb large double flower. Hieroglyphically marked, like the original Chinese pinks, in the middle down to the base of each petal; magnificent in color and variety. Pkt. 7c.

**CHINENSIS.**—(Double Chinese Pink)—Finest double mixed. Pkt. 3c.

**LACINIATUS.**—Double fringed, best mixed. Pkt. 7c.

**IMPERIALIS.**—Double imperial pink. Pkt. 5c.

**MIXED VARIETIES AND COLORS.**—Pkt. 5c

**BARBATUS.**—(Sweet William)—An old favorite; hardy perennials; single mixed. Pkt. 5c.

**CROWN OF PERFECTION.**—The latest introduction and the handsomest of all. Very large and handsome flowers. Pkt. 10c.

## DAHLIA.

The dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year. The seed which we have to offer is of the finest strain, and produces magnificent, very double flowers of large size and richest shades. Pkt. 10c.

**SINGLE MIXED.**—Pkt. 7c.

**NEW TOM THUMB.**—A radical departure in the way of dahlias and is really beautiful. The perfect little plants, *only twelve to fifteen inches high*, are of a bushy habit of growth, and they come into flower very early. Scarcely three months after sowing the seed the plants will be fully developed and covered with showy, pretty flowers, which are produced in constant **EUPHORBIA VARIEGATA**.

profusion and great variety the whole summer through. The range of color is something unusual; in many of the flowers the ground is white, with regular zones of magenta, crimson, purple, etc., while in others the ground is yellow or light rose, with charming contrasting variegations. The effect is vivid and striking, yet the blooms may be classed as most refined in their effect. See cut. Pkt. 10c.

## EUPHORBIA.

**VARIEGATA.**—(Snow on the Mountain)—A large, robust-growing, hardy annual, with very ornamental green foliage striped with white. Pkt. 5c.

**HETEROPHYLLA.**—This novelty is an annual of the easiest culture, forming bushy plants three to four feet high, with glossy green fiddle-shaped leaves, which form at the ends of the branches into large whorls or bracts, among which small green flowers appear in summer, and immediately after the leaves commence to color up. The smaller bracts among the flowers are brilliant orange scarlet, large surround-

ing leaves soon become blazed with darker, fiery scarlet, so that only a tip of green is left. As these colored bracts almost cover the plant, the effect is indescribably grand. Pkt. 10c.

## EDELWEISS.

The flowers are pure white, star-shaped, and of a downy texture. This is the true edelweiss of the Alps, well known and so much prized by tourists in Switzerland. Pkt. 15c.

## ESCHSCHOLTZIA.

California poppies. Showy summer flower plants; large saucer-shaped flowers of striking brilliancy in the sunlight. They flower profusely throughout the season.

**SINGLE.**—Mixed colors. Pkt. 5c.

**DOUBLE MIXED.**—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 10c.



EDELWEISS.



ESCHSCHOLTZIA.

## FREESIA.

**REFRACTA ALBA.**—Bears peculiar clusters of white flowers of the most delicious fragrance, which lasts a long time, even after being cut. Start seeds early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. Easily grown. Pkt. 10c.

## FERNS.

Fine mixed varieties. Pkt. 15c.

## FOX GLOVE.

See *Digitalis*.

## FEVERFEW.

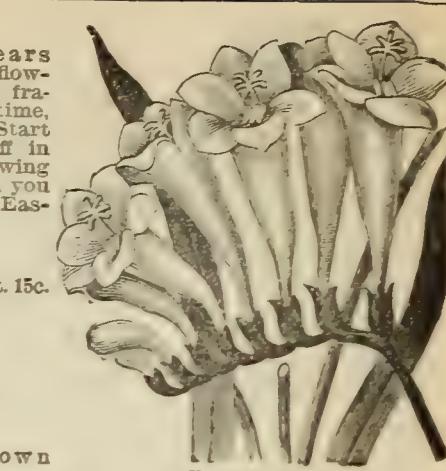
See *Matricaria*.

## FUCHSIA.

**HYBRIDA.**—Well known



FUCHSIA.



FREESIA.

greenhouse plants. Easily grown from seed. Finest double and single mixed. Pkt. 15c.

## GLADIOLUS.

A well known flower, easily grown from seed, and we should like to have all our customers try raising them in this way. This seed is of our own growing, from the very best varieties, and will produce an assortment sure to please any lover of flowers. They bloom the second year from seed. Pkt. 8c.

## GAILAR-DIA.

The blanket flower. Exceedingly beautiful annuals, making very

showy plants, one to two feet high. Grown in masses they are especially effective; large flowers, two or three inches across, produced from early summer until frost. Cravated for cutting.

**LORENZIANA.**—New double. One of the finest annuals grown for bedding and cutting. Pkt. 8c.

**PERFECTION.**—An improvement on the above sort, producing very double flowers as round as a perfect ball in the most varied and pleasing colors. The flowers are borne on long, slender stems and when cut will keep for over a week. Pkt. 10c

**ALL VARIETIES MIXED.**—Pkt. 3c.



GAILARDIA.

cultivator with charming new varieties. Plants from seed started early in the house, will bloom the first summer in the garden. Seed is saved from the best varieties, mixed. Try it. Pkt. 10c.

## GERANIUM.

These favorite plants are easily raised from seed, which will frequently reward the



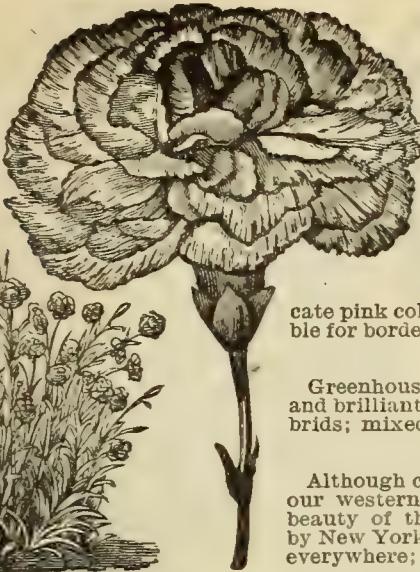
GERANIUM.

## PERFECTED

## Sweet • Peas.

Nothing is handsomer than a nice bed of Sweet Peas, and the beauty of it is that they are very hardy and more colorful. We will all be anxious to plant them later, yet saving time and so offer this mixture of the best large flowering varieties made up from names of 150 at per pkt. 8c. or 10c. 14 lb. 15c. 15 lb. 50c.

**FINE MIXED.**—Per pkt. 2c. oz. 5c.  
1/2 lb. 15c. 1lb. 50c.

**Grass****Pink.****GILIA.**

Profuse bloomers and handsome dwarf annuals for massing in flower beds; flowers borne in clusters; plants six to twelve inches high.

**TALL VARIETIES.**—Mixed. Pkt. 4c.**DWARF VARIETIES.**—Mixed. Pkt. 4c.**GYPSOPHILA.**

**ELEGANS.**—Very handsome small flowers, produced in loose panicles in great abundance. Fine for bouquets, also much used dried for winter bouquets. Mixed. Pkt. 5c.

**GLOBE AMARANTH.**

"Bachelor's Buttons," and the "amaranth" of the poets. They are annuals, forming bushy plants about two feet high, and bearing sometimes several hundred flowers of purple, white, striped, etc. Very ornamental as summer-blooming plants, and for everlasting indispenable. Mixed colors. Pkt. 5c.

**GLOBE AMARANTH.**

or four feet high, forming a perfect pyramid. The leaves are long and densely covered with long white hairs which give it a peculiar silvery appearance. The flowers are a clear golden yellow, three to four inches across, with small, dark brown centers. Very desirable for a hedge, or as a specimen plant for center of beds. Early in the morning while covered with dewdrops it is really magnificent. Pkt. 10c.

**PEERLESS MIXED.**—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some which are both curious and desirable. Pkt. 5c.

**GLOBOSUS FISTULOSUS.**—Double, the best of the tall varieties. Pkt. 5c.**NANUS.**—A true double dwarf, quite pretty. Pkt. 5c.**MAMMOTH RUSSIAN.**—Largest of all Oz. 5c, lb. 40c.**HYACINTHUS.**

**CANDICANS.**—Throws up flower stalks three to four feet high with beautiful white, drooping flowers, fine for mixing in beds of gladiolus; blooms second year. Pkt. 5c.

**GRASS PINKS.**

The hardy and pretty clove-scented flowers which our grandmothers loved. Their fragrance is quickly noticed by any one passing by the yard where they are grown, before seeing the flowers. There has been quite a call for these among our customers, and for several years we have tried to obtain seed of this old garden favorite and have at last succeeded in obtaining a fine crop of seed. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. A hardy perennial very desirable for borders. Per pkt. 5c.

**GLOXINIA.**

Greenhouse plants, producing richly colored and brilliant flowers. Finest strains of new hybrids; mixed. Pkt. 25c.

**GOLDEN ROD.**

Although considered an objectionable weed on our western prairies, there is no denying the beauty of this flower, and it has been adopted by New York as the state flower. Greatly admired everywhere; easily grown from seed. Pkt. 5c.

**GILIA.****GODETIA.**

Handsome and showy annuals about one foot high, of dwarf, compact growth bearing freely large flowers three to four inches across, of exquisite colors and shades that glisten in the sunlight like satin.

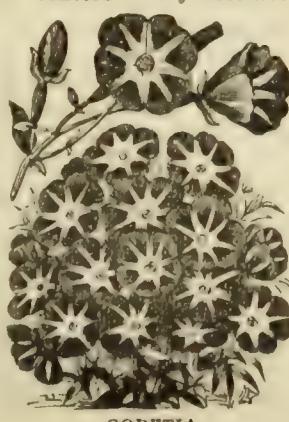
**LADY SATIN ROSE.**—The flowers, produced in remarkable abundance, are of a brilliant deep rose pink, the surface shining like satin. Pkt. 5c.

**MIXED VARIETIES.**—All colors. Pkt. 5c.

**HELIANTHUS. (Sunflower.)**

Some varieties of this well known plant are very ornamental, and are effective in proper situations, in large shrubby borders or as screens.

**SILVER LEAVED.**—But few who see this splendid new plant would imagine that it was a sunflower. It grows three to four inches across, with small, dark brown centers. Very desirable

**GODETIA.****NEW JAPANESE VARIEGATED HUMULUS.****HUMULUS. (Hop.)**

**NEW JAPANESE VARIEGATED.**—We recommend this extremely handsome and distinct climbing vine as very valuable for trellis and high places. Where an attractive, ornamental climber is desired, that will stand rough usage, we have nothing better. The leaves are strikingly variegated and marked; the first color is bright, deep green, distinctly marked and blotched with silvery white tinged with yellow; now and then a leaf will be almost snowy white, and another one not far away almost green. A superb, strong grower, twenty to thirty feet in a few weeks' time; not injured by heat or insects. Pkt. 10c.

**HELIOTROPE.**

A great favorite with all lovers of flowers for their beauty and fragrance; well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice variety. Pkt. 10c.

**HOLLYHOCK.**

No garden flower is more showy or more admired. The plants are stately in appearance, the flowers brilliant in color, and delicate in texture. Blooming plants can be raised the first year as easily as plants of zinnia or marigold. All that is necessary is to start the seeds in a box in the house in February or March. About May 1st transfer to permanent place in garden where they will produce elegant spikes of flowers in August and September, and blossom freely the second year also. Our seed is the best obtainable.

**DOUBLE PURE WHITE.**—Large, clear, pure white flowers about three inches in diameter. They are as handsome as camellias in cut flower work, and are highly valued by florists. Pkt. 10c.

**CHATER'S SUPERB MIXED.**—An unequalled mixture of seventeen prize varieties, including all colors and shades known. Pkt. 15c.

**FINE MIXED.**—Contains a good variety. Pkt. 5c.

**HOLLYHOCK.****HELICHRYSUM.**

This is probably the most valuable of all everlastings. Its large flowers are perfectly double and of the most brilliant colors. Cut the flowers when they first begin to expand and dry with stems straight.

**MONSTROSUM.**—Mixed colors. Pkt. 5c.**HIBISCUS.**

A branching plant of the easiest culture, with rather pretty foliage, and large exceedingly showy blossoms. Hardy annual, 2 ft. high.

**AFRICANUS.**—Cream colored blossoms, purple in the center. Pkt. 3c.

**CRIMSON EYE.**—A robust grower, with dark red stems and foliage. Flowers of immense size, often measuring 20 inches in circumference, pure white, with a large spot of deep velvety crimson in the center. Blooms first year from seed sown in open ground. Succeeds well anywhere. Pkt. 10c.



white, moon-like flowers from five to six inches in diameter. Pkt. 10c.

**LEARI.**—The Blue Moon Flower. This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above; habit of growth and flowering the same. The color is exquisite, clear, satiny blue, with well-defined crimson bars; very distinct. We recommend planting the Blue Moon Flower with the White one, as the effect will be novel and attractive. Pkt. 10c.

**BONA NOX.**—Large purplish flowers, blooming at night, often called Good Night or Evening Glory; a rapid grower and free bloomer. Pkt. 5c.

**HEAVENLY BLUE.**—A cross between Leari ipomoea and Mina lobata. The foliage is very large, heart-shaped, thick and light green; flowers four and a half to five inches across, in large, airy clusters, and of that indescribably heavenly blue so rarely seen in flowers. The throat is yellow inside, spreading softly into the blue. Pkt. 20c.

#### ICE PLANT.

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in the sunshine. The flower is white. Pkt. 5c.

#### IRIS.

**SIBERICA.**—Easily grown from seed. Pkt. 5c.

#### LANTANA.

Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 15c.



#### LARKSPUR.

An old and well known hardy annual. The flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

**AMERICAN BANNER.**—The handsomest flower in the entire catalogue. The name, American Banner, was given it because it is the only flower we know of which combines the national colors, red, white and blue, in each flower. Plants grow to a height of about two feet and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

**DWARF GERMAN ROCKET.**—Mixed colors. Pkt. 5c.

**TALL GERMAN ROCKET.**—Mixed colors. Pkt. 3c



ICE PLANT.

#### LATHYRUS.

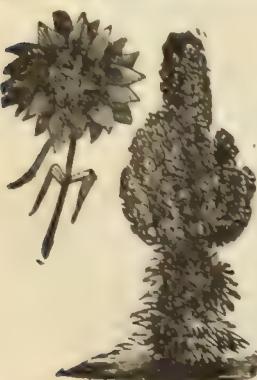
**LATIFOLIUS.**—(Perennial Peas.) Handsome free-flowering plants, growing five to ten feet high, dying down to the ground every winter, and starting up again in the spring. Fine mixed. Pkt. 5c.

#### LOBELIA.

Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

#### LUPINUS.

Commonly called Sun Dials. Flowers of very bright colors, produced in spikes. A fine plant for bedding. Mixed varieties. Pkt. 5c.



ROCKET LARKSPUR.

#### IPOMOEA.

A large class of plants to which belong many of our best and most popular climbers. They are very rapid and luxuriant growers, and especially adapted to warm, sunny situations in the garden, for covering porches, trellises etc.

**SETOSA.**—The beautiful Brazillian Morning Glory, which attracted so much attention last year, and a novelty of great merit. It is one of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter and a huge leaf eight to twelve inches across, the effect is simply enchanting and tropical in the extreme. It grows here with a luxuriance and freedom which is simply surprising, branching in every direction and intertwining in such a manner as to make it absolutely impenetrable by the sun's rays. From seeds planted the middle of May a huge trellis was completely covered to a height of twelve feet by the first of August, while by the middle of the month the vines averaged 35 feet in height. The density of the shade was remarkable, owing to the cross branching and intertwining, as the leaves overlap each other like shingles on a roof. Large seed pods, with the short reddish hairs on the stems, make it unusually ornamental and attractive. We recommend it to all. Pkt. 10c.

**GRANDIFLORA HYBRIDA.**—The Moon Flower. One of the grandest of summer climbers, growing 25 to 40 feet high, and covered nightly and on dull days with beautiful flowers.



#### LYCHNIS.

**HAAGEANA HYBRIDA.**—Very desirable hardy perennials, blooming the first year if sown early. Fine mixed, white, pink and scarlet. Pkt. 5c.

#### LINUM.

Flowering Flax. One of the most showy annuals in cultivation? Flower beds and masses; brilliant crimson scarlet flowers one inch across, borne in wonderful profusion. Height one foot. Pkt. 5c.

#### MATRICARIA.

**CAPENSIS.**—(Double Feverfew.)—This may be called everybody's favorite. A splendid bedding plant and one of the best to pot for winter flowers; pure white. Pkt. 5c.

**GOLDEN.**—See Pyretherum.

**EXIMA NANA FL PL.**—Small compact, perfectly round plants about four inches high. Covered from July until winter with double white flowers, borne on long slender stems. Pkt. 7c.

#### MAURANDIA.

Delicate climbers for windows or conservatories, or for open ground in summer. Admirable to hang from vases, to cover stumps and low trellises, flowering freely; height 6 to 10 feet. Mixed colors. Pkt. 10c.

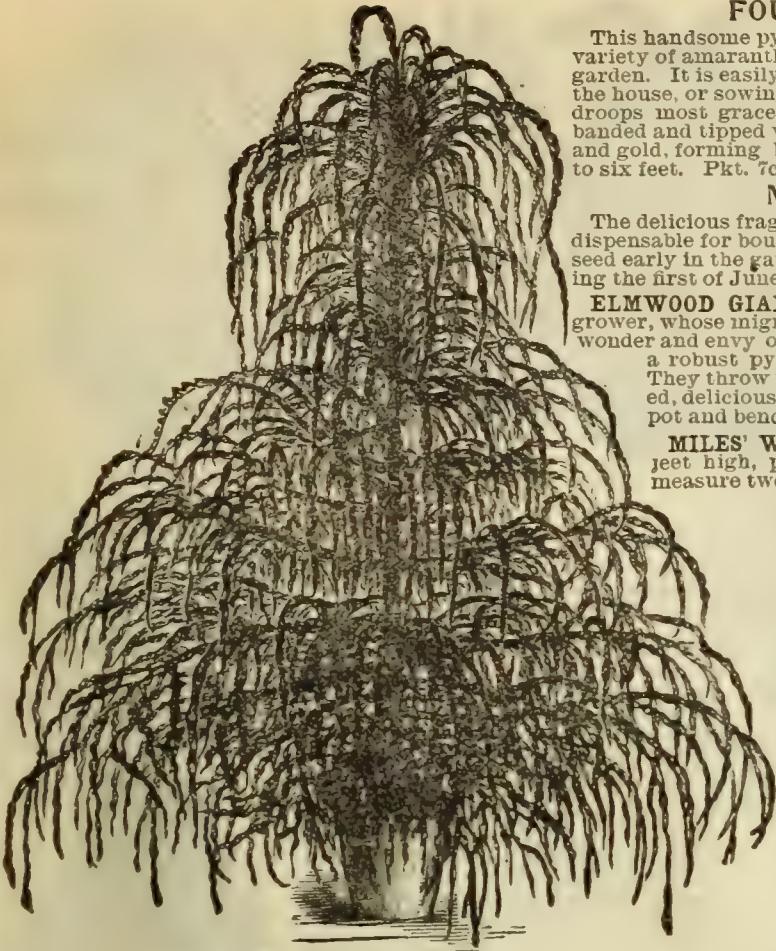
#### MIMULUS.

Monkey Flower. Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed varieties. Pkt. 10c.

**MOSCHATUS.**—The well known musk plant, quite pretty and has a strong musk fragrance. Pkt. 10c.



LOBELIA.



FOUNTAIN PLANT.

**FOUNTAIN PLANT.**

This handsome pyramidal or fountain-shaped plant is a variety of amaranthus which deserves a place in every garden. It is easily grown by starting the seeds early in the house, or sowing them in the open ground in May. It drops most gracefully, and the leaves are brilliantly banded and tipped with orange, carmine, purple, crimson and gold, forming bright colored plumes. Height three to six feet. Pkt. 7c.

**MIGNONETTE.**

The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden, and they will commence blooming the first of June.

**ELMWOOD GIANT.**—A special selection of a famous grower, whose mignonette spikes have always excited the wonder and envy of his competitors. The plants are of a robust pyramidal habit; fine, healthy growers. They throw up very large spikes of a reddish-tinted, deliciously fragrant flowers. Unsurpassed for pot and bench culture. Pkt. 10c.

**MILES' WHITE SPIRAL.**—Grows two or three feet high, perfectly erect, spikes of bloom often measure twelve inches long. It is very showy in growth, and the grand spikes of bloom can be seen for a long distance, and attracts the attention of everybody. Pkt. 5c.

**MACHET.**—An entirely new and distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers Pkt. 7c.

**GABRIELE.**—A handsome new variety, the tallest of any. Strong, robust habit, bearing large spikes of red flowers. Very distinct. Pkt. 8c.

**GOLDEN QUEEN.**—A very distinct new variety, with bright golden flowers Pkt. 3c.

**SWEET SCENTED.**—The old favorite. Pkt. 2c. oz. 20c.

**MUSA ENSETE.**

(Banana Palm.)

One of the grandest and most picturesque of the banana family. As a solitary plant or in groups on the lawn, it has a majestic tropical effect. The leaves are very long and broad, of a beautiful green with crimson midrib in striking contrast. An occasional application of liquid manure and frequent watering are necessary.

The rapidity of its growth is astonishing. Packet of 5 seeds 20c.

**MACHET MIGNONETTE.**

Perennials. Bloom first year from seed. Pretty plants, with neat little star shaped flowers.

**ALPESTRIS.**—Mixed colors. Pkt. 5c.

**PALUSTRIS.**—True forget-me-not, blue. Pkt. 10c.

**VICTORIA.**—A novelty, and the best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with double center. Pkt. 10c.

**NICOTIANA.**

**AFFINIS.**—Of all the varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt. 8c.

**NIGELLA***(Love in Mist)*

Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one all our customers should try. It is sure to please. The flowers are double and of all shades of blue, white and purple. Pkt. 4c.



MARIGOLD.

the most brilliant and showy of annuals, but have been greatly improved recently in size and doubleness of flowers. They are very effective for groups and masses.

**AFRICAN.**—Double mixed, largest. Pkt. 4c.

**DWARF FRENCH.**—Double mixed, best. Pkt. 5c.

**MARTYNIA.**

Fine summer blooming garden plants, with gloxinia-like flowers of many handsome colors, followed by curiously horned fruits. Sometimes called Devil's Claws. When young these seed pods are very nice for pickling. Pkt. 5c.

**MIRABILIS.**

The Marvel of Peru, or Four-o'clock, is as easily grown as a weed, and yet is one of the most brilliant and showy of annuals. Planted in beds or masses, their compact growth, rich glossy leaves, together with their profusion and diversity of bloom, presents a gorgeous sight during the afternoon.

**NEW TOM THUMB MIXED.**—Very handsome, compact, dwarf, bushy plants, with elegant, golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

**MIXED COLORS AND VARIETIES.**—Pkt. 3c.



TOM THUMB MIRABILIS.

**A VALUABLE ASSISTANT**

In THE WESTERN GARDEN, a monthly magazine devoted to the interests of gardeners, will be sent you one year free if you send us order for seeds amounting to \$1.00 or more, asking for no other premium or discount.



NICOTIANA.



MILES' WHITE SPIRAL.



MACHET MIGNONETTE.



NIGELLA.



IMPERIAL NASTURTIUMS MIXED.

## NASTURTIUMS.

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. Excellent for corsage bouquets. The following are the best varieties, which all should try:

**CLOTH OF GOLD.**—Foliation is a clear bright yellow. The plant is of dwarf, compact habit, flowers scarlet. Pkt. 7c, oz. 30c.

**LADY BIRD.**—Of dwarf, neat compact habit of growth. Flowers rich golden yellow, each petal barred with a bright vein of bright ruby crimson. Pkt. 7c, oz. 30c.

**EMPEROR OF INDIA.**—Of dwarf, bushy habit, the leaves of a dark purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers. Its profusion of bloom and dazzling richness of color are remarkable. Pkt. 5c, oz. 25c.

**AURORA.**—A magnificent variety of new color. The plant forms a perfect globe, and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, the two lower petals blotched with purplish carmine and marked with bright carmine veining. Pkt. 5c, oz. 30c.

**CHAMELEON.**—The flowers of this new Tom Thumb nasturtium are in color crimson, bronze and gold, bordered and flamed, changing in hue almost daily, hence named "Chameleon." Pkt. 7c, oz. 35c

**CRYSTAL PALACE GEM.**—Dwarf; sulphur color, spotted with maroon; very handsome. Pkt. 5c, oz. 20c.

**PEARL.**—A most charming dwarf white variety. Pkt. 5c, oz. 30c.

**KING THEODORE.**—The darkest color known in nasturtiums—deep scarlet-maroon. Pkt. 5c, oz. 25c.

**IMPERIAL MIXED.**—Includes about twenty of the dwarf varieties selected from both American and foreign growers; this when planted in beds, produces a mass of colors. Pkt. 5c, oz. 25c.

**DWARF VARIETIES MIXED.**—Pkt. 3c, oz. 15c

## CLIMBING NASTURTIUMS.

**KING OF THE BLACKS.**—A very handsome climbing variety, with flowers of a very rich dark brown, almost black. Pkt. 5c, oz. 30c.

**NAPOLION III.**—A beautiful climbing variety, with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 30c

**GEANT DES BATAILLES.**—A climber with brilliant flowers. Pkt. 5c, oz. 30c.

**TALL VARIETIES MIXED.**—Pkt. 8c, oz. 15c.

OENOTHERA. (*Evening Primrose*.)

An interesting half-hardy annual, opening its flowers toward evening with a snap that is sure to attract attention, especially of the children. Mixed colors. Pkt. 8c.

## OXALIS.

Handsome basket plant, summer or winter; fine for rockeries. Pkt. 10c.

**Notice the Gem Bulb Collection on page 87.**

IOWA SEED CO.'S SINGLE AND DOUBLE PETUNIAS  
PETUNIAS.

Surely there is no garden complete without a bed of elegant petunias. They commence flowering early, and continue a mass of bloom throughout the whole season until killed by frost: easily cultivated, requiring rich soil and a sunny situation. Of late years the single striped, mottled and double varieties have been greatly improved, and the above cut gives but a faint idea of their great variety and beauty. The double varieties require more care and should be started in the house.

**GRANDIFLORA MIXED.**—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. 15c.

**DOUBLE INIMITABLE.**—A splendid mixture. Our seed is Benary's best, and will produce a large percentage of fine double-flowering plants. Pkt. 25c.

**SINGLE FRINGED.**—A choice mixture of the handsome fringed sorts. Pkt. 15c.

**NANA COMPACTA MULTIFLORA.**—Forms dense little bushes five to eight inches high, studded with regularly striped flowers. Very effective, either in masses or in pots. Pkt. 10c.

**GIANT FANCY FLOWERING.**—A grand new strain and the most beautiful of all. Flowers of immense size and of a great variety of markings and veining of the most charming colors. If you like beautiful petunias, don't fail to include this in your order. Pkt. 25c.

**FINE MIXED.**—The best of the older sorts, carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 5c.



PERILLA.

## PERILLA.

**NANKINENSIS.**—Has a broad, serrated leaf, of purplish mulberry color, and eighteen inches or more in height. Very desirable for the center of a bed of ornamental-leaved plants, and also for a low screen or hedge. Pkt. 8c.

## PORTULACA.

**GRANDIFLORA SINGLE MIXED.**—This old favorite is brightest in the hot, dry weather when other flowers are drooping. They are of almost every conceivable shade of color, and will make one of the brightest spots in the garden. Large flowered. A splendid mixture. Pkt. 4c.

**DOUBLE MIXED.**—Very handsome, double as a rose, and contains a great variety of shading unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as doubles as the most perfect rose. Pkt. 10c.



DOUBLE PORTULACA.

## PRIMULA.

**SINENSIS.**—(Chinese Primrose.)—Well known and popular winter bloomers. Splendid mixed colors. Pkt. 25c.

**BEST DOUBLE MIXED.**—Pkt. 50c.

**FIMBRIATA MIXED.**—Fringed. Pkt. 40c.

**ELATIOR.**—(Polyanthus)—Pkt. 10c.



PRIMULA.

## PANSIES.

These little beauties need no extended description, as it would be hard to find even a child in the land whose heart has not been gladdened by their bright faces. Pansies like a moist, rather shady location and rich soil. Should be watered freely in dry weather. Seed started in February or March will produce early spring flowers. The largest flowers are always produced on plants which come into bloom in the autumn. Pansies are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites. All should try our new varieties.

**THE PEACOCK.**—This fine new variety has been named the Peacock because the upper petals of the flower most nearly resemble, in color, the peculiar shade seen only in the feather of the peacock, a beautiful ultra-marine blue. The petals are edged with a thin white line, within which it is a purplish crimson, passing into a rich central blotch of deep blue, shading to black. The *Gardeners' Magazine*, (London, Eng.), says: "The coloring is truly delicious." Pkt. 10c.

**VAUTIER'S MAMMOTH PANSY.**—This strain of enormous pansies has been raised and perfected for twenty years by Chas. H. Vautier, one of our most experienced growers. In size and perfect form they rival anything heretofore introduced. The flowers measure two and a half to four inches across, of most perfect form, circular in shape; the plants being bushy and compact, and flowering profusely. The colors are rich and varied, embracing all the fancy spotted and striped and self-colors. Don't fail to include this in your order. Pkt. 20c.

**FIRE KING.**—This novelty comes almost absolutely true, scarcely a plant bearing flower at variance from the type, which is very distinct and striking. The three lower petals each have a large blotch of deep brown-red or magenta margined with yellow, while the upper petals are of a bright red, of a really fiery shade, warranting the name of Fire King. Pkt. 10c.

**CASSIER'S GIANT ODIER.**—The flowers, of immense size, are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of the Cassier's are of good substance and fine form, while the plants are of neat, compact growth. Pkt. 20c.

**GIANT TRIMARDEAU.**—An altogether distinct and beautiful class of pansy, the flowers of which are of very large size; some have measured four inches in diameter. Each flower is marked with three large blotches or spots, and stands well above the foliage. Choice mixed colors. Pkt. 15c.

**LORD BEACONSFIELD.**—New, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 10c.

**GOLDEN TRIMARDEAU.**—Has the large size of the Giant Trimardeau, but is of a rich golden yellow. Remarkably handsome and showy variety. Pkt. 20c.

**MAMMOTH BUTTERFLY.**—A strain of pansy which for variety and beauty has never been excelled. Of matchless forms, colors and markings, with flowers half as large again as ordinary pansies. They will both astonish and delight "pansy fanciers." There is a great variety of colors and peculiar markings, reminding one of the varied hues of the butterfly. Pkt. 15c.

**GIANT BUGNOT.**—This is one of the finest strains of pansies in existence. The flowers are of enormous size, perfectly round, of great substance and of the most varied and attractive markings and colors; each petal bears a blotch that runs out in delicate veins to the edge of the petal. Pkt. 20c.

**CHOICE GERMAN MIXED.**—Magnificent large velvety flowers of richest hues and colors. Pkt. 10c.



**SNOW QUEEN.**—Flowers of a delicate, pure, satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 10c.

**GOLDEN YELLOW.**—Best of the yellow varieties. Desirable as a contrast. Pkt. 5c.

**FAUST.**—(King of the Blacks.) Jet black. Pkt. 5c.

**EMPEROR WILLIAM.**—Ultra-marine blue. Pkt. 5c.

**ODIER OR BLOTTCHED.**—This superb large variety of pansies has been much improved. Pkt. 10c.

**BRONZE-COLORED.**—Handsome. Pkt. 5c.

**AZURE-BLUE.**—Very fine shade of sky-blue. Pkt. 5c.

**QUADRICOLOR.**—New and distinct; fine. Pkt. 8c.

**CHOICE LARGE FLOWERING MIXED.**—Very fine. Pkt. 10c.  
**FINE MIXED.**—Choice varieties. Oz. \$2.00, Pkt. 5c.

**INTERNATIONAL MIXED.**—This mixture consists of a grand assortment from the world's leading growers. All colors and markings. Pkt. 25c.

**IOWA BEAUTY.**—Of all varieties of pansies ever introduced this is certainly the finest. It contains a great number of varieties, all of which are beautifully marked, striped or blotched with the handsomest and most delicately blended colors. Flowers are of rich, velvety substance and perfect shape. Pkt. 20c.

**VIOLET-SCENTED PANSY.**—This new type is a cross between the pansy and the violet, combining the ideal properties of each. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former. Range of color runs through white, buff, canary and azure-blue, and the coloring of each is exceedingly delicate and charming. Admirers of the pansy and violet will be delighted with it. Pkt. 25c.



MAMMOTH BUTTERFLY.



IOWA BEAUTY.

**Pansy Collection.—One pkt. each of the 23 varieties for \$2.00.**

## POPPIES.

This grand old flower is fast gaining the universal popularity which it justly merits. Having for years been crowded out of our gardens by the swarms of new comers, and forgotten, it has, nevertheless, kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes, new colors, and the dear old flower which our grandmothers loved so much, again occupies one of the first places in our gardens, and we are proud of it; and well we may be, for through June and July it stands without an equal, the showiest of all annuals.

**BRILLIANT.**—It is a superior variety of strong, robust growth, from two to three feet high. The flowers have the petals fringed and present a variety of bright colors: these are pure white with a pink tinge, scarlet, rose, purple and other shades. The ends of the petals or fringes are of a deeper tint than the rest, and are so bright as to be almost dazzling to the eye. Unsurpassed for cut-

**VESUVIUS.**—Very brilliant. The flowers are three and a half to four inches in diameter; the petals are finely cut or lacerated, which adds greatly to their beauty: color scarlet. Pkt. 10c.

**GIANT NANKEEN YELLOW.**—A superb new poppy. It is a vigorous grower, the perfect papaver-shaped flowers—truly giant—are borne in constant succession for a long season on erect, strong stalks, two and a half to three feet. Nankeen Yellow stands out as a grand novelty, the nearest approach to yellow in this class of poppies. Pkt. 10c.

**DOUBLE CARNATION.**—A splendid assortment of the best double carnation-flowered sorts. Will make an attractive bed. Pkt. 5c.

**FRENCH RANUNCULUS FLOWER-ED.**—Many colors, mixed. Very handsome. Pkt. 5c.

**ALL VARIETIES MIXED.**—Pkt. 5c.

ONE PACKET EACH  
OF THE THIRTEEN  
VARIETIES  
**OF POPPIES!**  
FOR ONLY  
65 CENTS.

## PASSION FLOWER.

**MAMMOTH.**—One of the most desirable of all climbing plants. Sow seed early, and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year, three or four inches in diameter. Its color is odd, comprising a combination of blue, pink and white, which is beautiful, very large and showy, of a feathery and velvet-like appearance very rich and satiny. Climbing is a slow growth, will climb one leaf at a time. Vines begin to throw out blossoms when they are over two feet high, followed in the fall by a heavy crop of ripe fruit about the size of a hen's egg. If set in the open ground in winter it must have some protection. See illustration with flower plants. Pkt. 10c.

## ROSES.

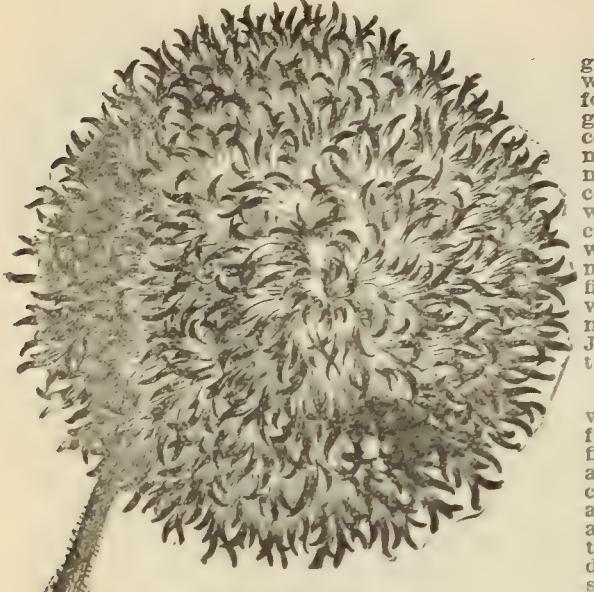
It is not generally known that roses are easily grown from the seed.

**MONTHLY TEA.**—Double mixed colors. Blooms the second year. Pkt. 10c.

**FAIRY.**—The roses are only about an inch across, usually very double, but occasionally semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy roses grow only ten inches high and commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. Pkt. 10c

## CROWN OF PERFECTION PINKS.

A great improvement in the garden pinks. The flowers are immense, averaging six inches in diameter, and are densely double and are produced in profuse clusters, making the whole super and grand. This flower is entirely new and each cluster bears a crown. There is a wide variety of colors from deepest salmon white to red saffron so deep and richly brilliant that the eye can scarcely penetrate their velvety depths of pink and flesh tints more dainty than brush could lay; and a large proportion of flowers hieroglyphically marked with various hues, the delicate tints and deep tones mingling in exquisite contrast. They succeed with everybody and everywhere. Where bedded in quantities the effect is gorgeous. Pkt. 5c.



BRILLIANT POPPY.

tint, as they keep much longer than the ordinary poppy. Pkt. 10c.

**ROSY MORN.**—Flowers extremely double and of good size, forming perfect balls of a unique and beautiful shade of rose—an entirely new and distinct color in poppies. We consider this quite an acquisition. It is of the easiest possible culture, belonging to the annual poppy-flowered section, and merely requires to be sown where the plants are to flower. Pkt. 10c.

**THE SHIRLEY.**—These exquisitely handsome new poppies have been exhibited in London and made quite a sensation in England. In color they run from the purest white through the most delicate shades of rose and pink and carmine to deepest crimson. Pkt. 5c.

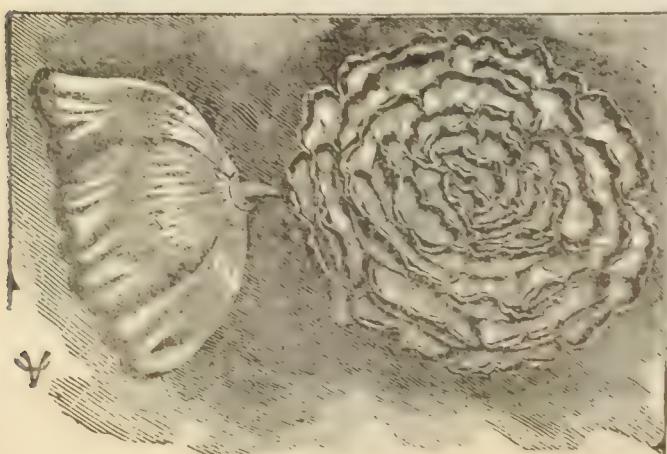
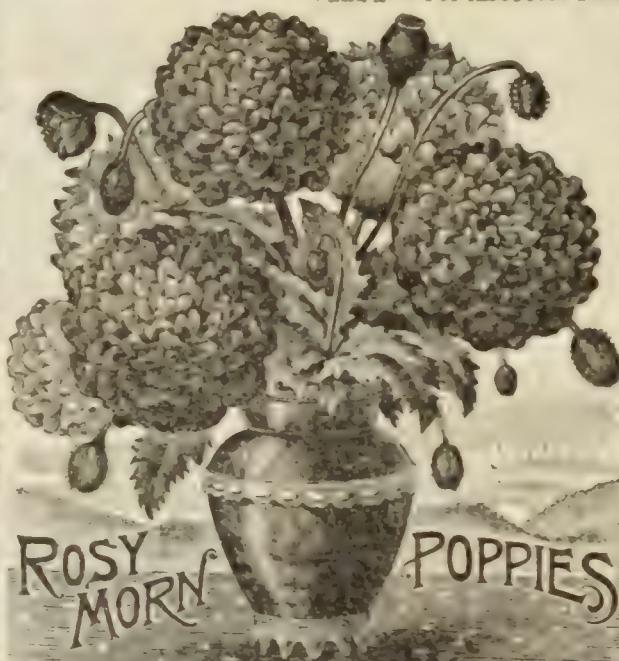
**THE MIKADO.**—Edges of petals are cut and fringed. Color is pure white at the back, whilst the fringed edges are a brilliant crimson. Pkt. 10c.

**DANEBROG.**—(Danish Flag)—The peculiar forms and shades of color blend and again contrast in such a manner that the appearance of the whole is most striking and lovely. A large silvery-white blotch at the base of each petal, forming a white cross on scarlet ground. Pkt. 5c.

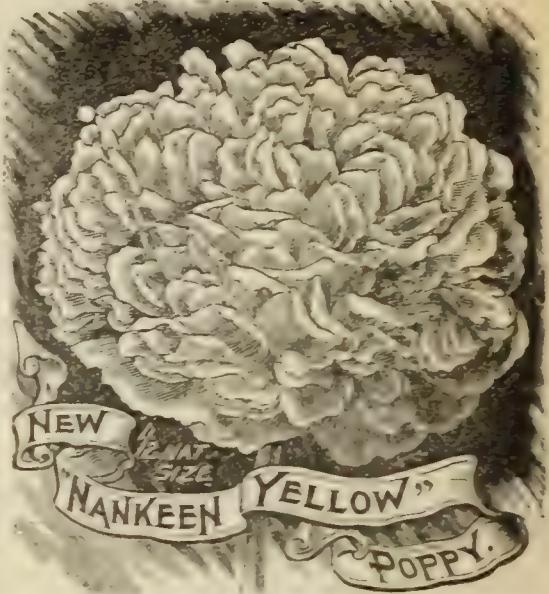
**FAIRY BLUSH.**—The immense globular flowers are perfectly double and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rose cream. Pkt. 10c.

**AMERICAN FLAG.**—The new plant is a remarkably strong grower, well branched, flowers extra large, very double, snow-white with each petal bordered with scarlet; the foliage is a beautiful bluish green, which combination of colors suggested the name. The terminal point has a wider band than the sides, making it extremely showy, distinct from all others. Pkt. 10c.

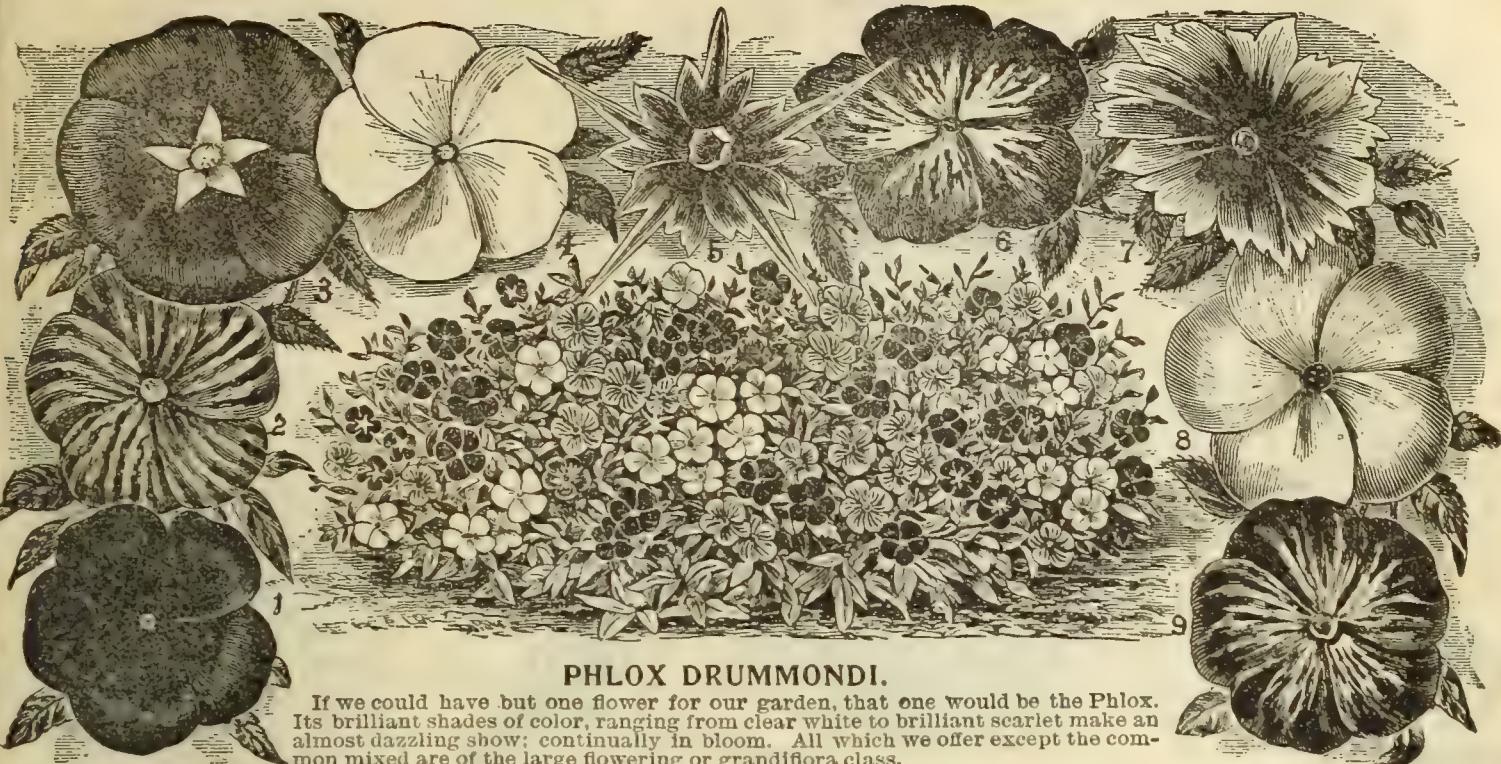
**PAPAVER UMBROSUM.**—Flowers rich, glowing vermillion, with a deep, shining black spot on each petal. Pkt. 5c.



AMERICAN FLAG POPPY.



NEW  
42 NAT.  
SIZE  
"NANKEEN" **YELLOW**  
POPPY.

**PHLOX DRUMMONDI.**

If we could have but one flower for our garden, that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet make an almost dazzling show; continually in bloom. All which we offer except the common mixed are of the large flowering or grandiflora class.

**FIREBALL.**—(Cut No. 1.) Brilliant, dazzling scarlet; very handsome dwarf compact growing. Pkt. 10c.

**STRAITA.**—(No. 2.) Bright, rich scarlet, sharply striped with white. Pkt. 10c.

**STELLATA CARMINEA.**—(No. 3.) Very handsome carmine flowers, with pure white, star-like eye. Pkt. 7c.

**GRANDIFLORA ALBA.**—(No 4.)—Pure white, very large. Pkt. 5c.

**CUSPIDATA OR STAR.**—(No. 5.) The growth is more dwarf and compact than the common. The pointed center teeth of the petals (five in number) are long and project like little spines, one-quarter to one-third inch long. Thus the flowers appear to have a splendid, regular star-like form whose beauty is improved by the broad, white margins, which border the edges of the petals. Pkt. 15c.

**SUNRISE.**—(No. 6.) Beautiful, rosy salmon, shaded carmine. Pkt. 10c.

**FRINGED MIXED.**—(No. 7.) Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 10c.

**JUBILEE.**—(No. 8.) A decided novelty, being an entirely new color in Phlox, a bright yellow; of strong, bushy erect habit, each plant presenting a mass of dazzling flowers, each of which is nearly the size of a twenty dollar gold coin and of perfect form. Per pkt. 10c.

**RADOWITZII.**—(No. 9.) Handsome flowers of rose, crimson, violet, etc., striped with white. Pkt. 10c.

**NANA COMPACTA MIXED.**—Dwarf, compact growing class; very fine for borders and ribbons. Pkt. 8c.

**BLACK BROWN.**—The darkest color in phloxes. Pkt. 10c.

**DOUBLE PEARL.**—A grand novelty introduced by us in 1888. By constant selection each year we have improved it so that almost every plant produces handsome, double, pure white flowers. It is very pretty and will prove a splendid acquisition for bouquet work, and suitable for buttonhole bouquets, etc. Very pretty for borders and bedding. Pkt. 10c.

**GRANDIFLORA MIXED.**—This special large flowering strain has been selected with great care for many years until we now have an ideal flower, of immense size and for beauty of colors they are unsurpassed. They produce a great profusion of large trusses of flowers, and if cut freely will continue a mass of bloom until severe freezing weather. The colors range from the purest white to nearly black, including all shades of pink, red, violet crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner. Some of the flowers are very nearly as large as a silver half dollar. Pkt. 10c.

**MIXED VARIETIES.**—A mixture of the common varieties. Will make a nice bed but flowers are smaller than the Grandiflora. Pkt. 5c.

DOUBLE PEARL PHLOX

**PHLOX COLLECTION.**—One packet each of the above varieties, making a grand assortment for only 85c.

**PERENNIAL MIXED.**—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

**PYRETHRUM.**

**GOLDEN GEM.**—Beautiful for edgings or ribbon beds. Double flowering. Pkt. 5c.

**ROSEUM.**—Plant from which the Persian insect powder is made. Pkt. 8c.

**RICINUS.**

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn planted singly; also fine for clumps or ornamental hedges. Keeps out moles.

**CAMBOGIENSIS.**—This most beautiful plant grows to a height of eight feet, and of most stately, majestic tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden. More ornamental than many plants which would cost several dollars each at the greenhouse. Seed will always be scarce and high. Seeds are large and each seed will produce a strong plant. Pkt. of 6 seeds, 10c.

**GIGANTEUS.**—Largest of all, 12 feet high, steel blue stalk and large green leaves often 30 inches across. Pkt. 10c.

**SANGUINEUS TRICOLOR.**—Blood red stalk; very attractive. Pkt. 7c.

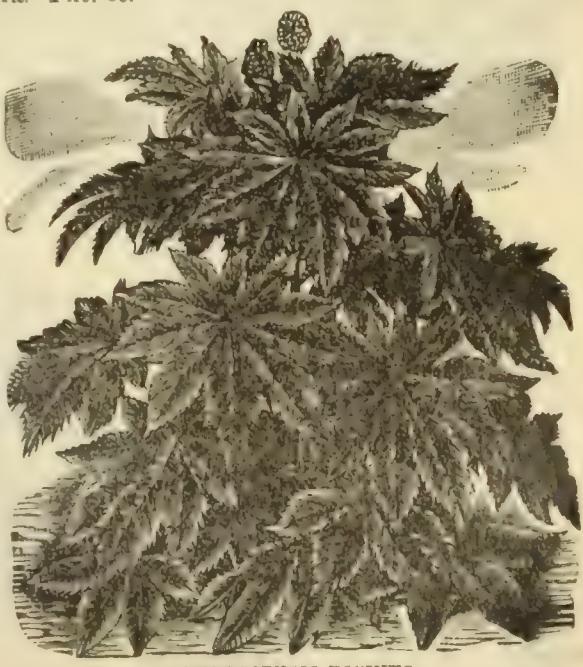
**GIBSONI.**—Dark purple stem and leaves, dwarf. Pkt. 5c.

**COMMON.**—Pkt. 3c, oz. 10c.

**ALL VARIETIES MIXED.**—Pkt. 4c.

**RHODANTHE.**

**MACULATA.**—One of the prettiest everlasting grown, has bright, rosy crimson flowers. Well shown by our engraving. Care is necessary in starting the seed, but when once well grown, produce an abundance of flowers Pkt. 10c.



CAMBOGIENSIS RICINUS.



RHODANTHE.

**SALVIA.**

**SPLENDENS.**—One of the most brilliant of flowers; it thrives in any light, rich soil; often called Flowering Sage. Free bloomers. A brilliant scarlet. Very fine. Pkt. 10c.

**MIXED VARIETIES.**—All colors. Pkt. 5c.

**SCABIOSA.**

(Mourning Bride.) One of the best of free-flowering hardy annuals of very handsome colors. Best double dwarf mixed. Pkt. 4c.

**SPRAGUEA.**

**UMBELLATA.**—Is really a very attractive little flower, desirable for bouquets. Flowers in dense umbels, on leafless stems, six inches or more in length; blossoms are pink and nearly everlasting. Sow seed under glass or in a sheltered place. Pkt. 10c.

**SENSITIVE PLANT.**

A very pretty and curious plant, the leaves closing when touched. The seeds start slow, and it is best to start them in boxes, cover shallow and see that they do not dry out. It makes a good house plant for winter, and always pleases the children. Pkt. 5c.

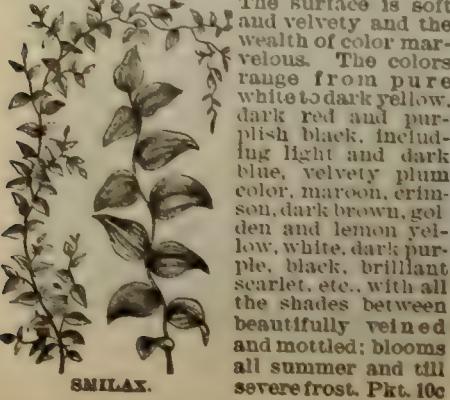
**SENSITIVE PLANT.**

in loose, rich soil and kept moist and warm. Pkt. 8c.

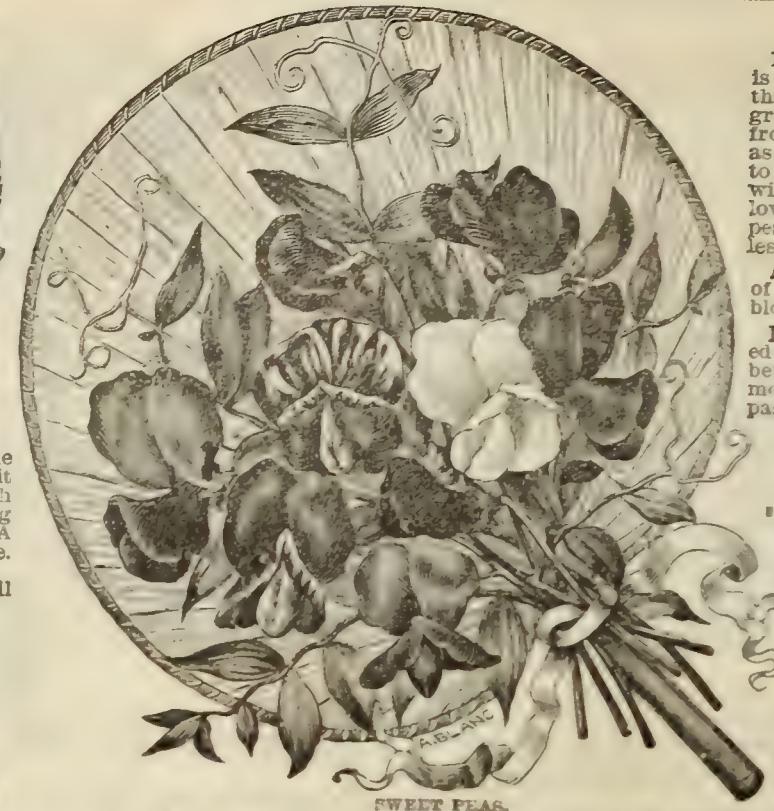
**SALPIGLOSSIS.**

One of the most beautiful of flowering annuals, forming strong bushy plants about 18 inches high and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors.

**NEW VARIEINED.**—Much larger than the common Salpiglossis.



The surface is soft and velvety and the wealth of color marvelous. The colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, etc., with all the shades between beautifully veined and mottled; blooms all summer and till severe frost. Pkt. 10c

**SWEET PEAS.**

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. They are hardy, free from insects, and disease, and if cut freely, as soon as they begin to fade, will continue to bloom throughout the season. One ounce will sow a row thirty feet long and make a lovely hedge. One secret in successful sweet pea culture is to plant early and deep, not less than four inches.

**ALBA MAGNIFICA.**—One of the clearest of the whites. Strong grower and fine bloomer. Pkt. 5c. oz. 10c. 1/4 lb. 30c.

**BLANCHE FERRY.**—Resembles the Painted lady, but the flower is much larger of better and more distinct stains, and blooms more freely. Very fragrant and unsurpassed for corsage bouquets. Pkt. 5c. oz. 10c.

**PAINTED LADY.**—Very pretty, delicate pink and white. Pkt. 5c. oz. 10c.

**QUEEN OF THE ISLES.**—Large flowers, handsomely striped with both blue and red on a white ground; very fine. Pkt. 5c. oz. 15c.

**DUCHESS OF EDINBURGH.**—Very beautiful; standard light scarlet, splashed with crimson, edge white, wings tipped rose. Pkt. 5c. oz. 10c.

**QUEEN OF ENGLAND.**—Pure white. Pkt. 5c. oz. 10c.

**BLACK.**—Very dark brownish purple. The nearest approach to black. Pkt. 5c. oz. 15c.

**SENATOR.**—Chocolate and creamy white, handsome. Pkt. 5c. oz. 10c.

**BOREATTON.**—A very fine dark variety, with immense, attractive flowers borne in great profusion. Color, red, Mahogany and maroon. Very beautiful. Pkt. 5c. oz. 15c.

**INVINCIBLE SCARLET.**—Large and brilliant scarlet. Pkt. 5c. oz. 10c.

**MRS. GLADSTONE.**—Flowers large of perfect form and of most delicate and beautiful blush pink. One of the most elegant and beautiful flowers in the list. Pkt. 5c. oz. 10c.

**PRIMROSE.**—Pale primrose yellow. One of the most beautiful; flowers large and exquisitely fragrant. Pkt. 5c. oz. 10c.

**SPLENDOR.**—Well named and one of the grandest on the list. Most brilliant crimson, rose, a blushing color, orange, etc. Pkt. 5c. oz. 10c.

**EMILY HENDERSON.**—A beautiful and truly pale white. Flowers are extra large and stand uprightly without reflex or curl. Plants robust, compact and branching, producing such an abundance of flowers that the plants appear as if covered with snow. From one plant, specially cultivated, has been cut in one season the seemingly incredible number of 1,000 sprays of blossoms. Very early, and continues a very little "cut and come again" to the end of autumn. Pkt. 5c. oz. 15c. 1/4 lb. 40c.

**IMPERIAL BLUE.**—Color ultramarine blue, claret and purple, one of the handsomest. Pkt. 5c. oz. 10c.

**PURPLE PRINCE.**—Maroon standards, shaded with bronze and purple wings. Pkt. 5c. oz. 10c.

**BUTTERFLY.**—White, base with lavender blue. Pkt. 5c. oz. 10c.

**CARDINAL.**—In cascading forms, large and fine. Pkt. 5c. oz. 10c.

**ORANGE PRINCE.**—Pink and orange, flushed with scarlet, distinct and handsome. Pkt. 5c. oz. 20c.

**COUNTESS OF RADNOR.**—One of the handsomest. Standard rich lavender blue, wings lighter. Pkt. 5c. oz. 10c.

**BLUSHING BEAUTY.**—Exquisitely soft, fleshy rose color; beautiful clusters on long stems. Pkt. 5c. oz. 10c.

**VENUS.**—Salmon buff, delicately shaded rose pink, a charming flower. Pkt. 5c. oz. 10c.

**PERFECTED MIXED.**—Graceful form, charming color, exquisite fragrance, and simple leveliness. It is mixture containing all of the most choice new varieties and some of the old favorites. Pkt. 5c. oz. 10c. 1/4 lb. 15c. 1/2 lb. 30c.

**ECKFORD'S NEW HYBRIDS.**—A strain of mixed sweet peas comprising many beautiful new varieties of bright colors. Flowers unusually large. Pkt. 5c. oz. 10c.

**FINE MIXED.**—A good assortment. Pkt. 2c. oz. 5c. 1/4 lb. 15c. 1/2 lb. 30c.

**COLLECTION.**—One packet each of above 25 varieties for 5c.

**STOCKS.**

**LARGE FLOWERING PERPETUAL WHITE.**—Of strong growth, fine branching habit, and, if sown early, will bloom from May until November. Flowers very large and pure white, and the more often they are cut the better they like it. Delicately fragrant. Pkt. 10c.

**LARGE FLOWERING DWARF GERMAN.**—Fine mixed. Pkt. 5c.

**SALPIGLOSSIS.****PERPETUAL WHITE STOCK.**



WILD CUCUMBER.

A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up every year in the same place. Pkt. 10c.

**SUNFLOWER. (See *Helianthus*.)****SWEET WILLIAM.**

Hardy plants about one foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite.

**SINGLE VARIETIES MIXED.**—Pkt. 5c.

**DOUBLE VARIETIES MIXED.**—Pkt. 10c.

**TORENIA.**

**FOURNIERI.**—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors.

A very handsome plant, well worthy of a trial. Pkt. 10c.

**THUNBERGIA.**

Rapid growing, free blooming climbers. Well suited for house culture, baskets or vases; mixed. Pkt. 5c.

**TROPAEOLUM.**

One of the most desirable of the annual climbers: easily grown in any common garden soil; produces an abundance of flowers of handsome shades of various bright colors. Many varieties mixed. Pkt. 5c.

**PEREGRINUM.**—(Canary Bird Flower.) Curious bright yellow flowers, resembling canary birds. Pkt. 10c.

**STEVIA.**

**SERRATA.**—Produce an abundance of pretty white flowers early in fall. Pkt. 5c.



SWEET WILLIAM.

**STATICE.**

**SINNATA HYBRIDA.**—Produce their small flowers in panicles; will hold their color when dry, and are very valuable to work up with the everlasting; hardy and of easy culture; fine mixed. Pkt. 4c.

**VINCA.**

Handsome bushy plants producing freely, round, single flowers one and one-half inches across, suitable for pot culture and sunny flower beds; tender perennial, one and one-half foot. Mixed colors. Pkt. 5c.

**WISTARIA.**

One of the most popular hardy vines climbing to a height of fifty feet or more. It is a perennial and easily grown from seed. Pkt. 10c.

**VIOLA.**

**ODORATA.**—The well known sweet violet. All colors mixed. Seeds start very slowly. Pkt. 10c.

**WHITLAVIA.**

Delicate and pretty but perfectly hardy plants, with drooping clusters of bell-shaped flowers. They thrive in cool, moist situations; free bloomers, and for partially shaded places they are very desirable.

**GRANDIFLORA.**—Mixed colors. Pkt. 5c.

**XERANTHEMUM.**

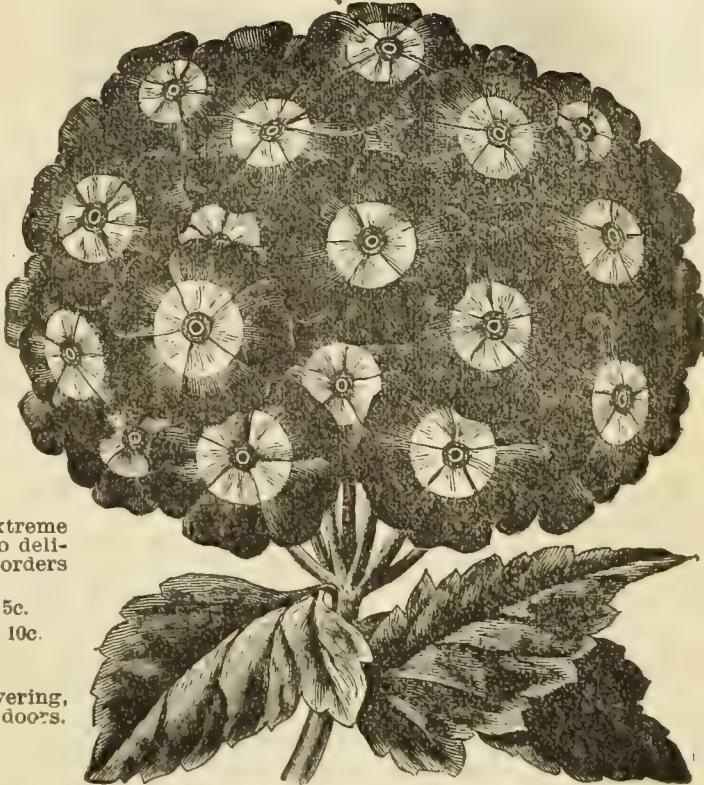
Free flowering and easily grown, making a handsome bed.

**DOUBLE WHITE.**—Pkt. 5c.

**ALL KINDS MIXED.**—Pkt. 5c.



WHITLAVIA.



HENDERSON'S MAMMOTH VERBENA.

**VERBENA.**

The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer, and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes or under glass in March, and transplant when a few inches high. In this way the verbena can be grown from seed as early as any annual, and will produce much stronger plants than cuttings. Seed sown in the open ground will flower in August.

**HENDERSON'S NEW MAMMOTH.**—When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the above illustration showing a flower of dark scarlet with a pure white eye. Pkt. 15c.

**BLACK.**—Nearly a coal black with a white eye. Pkt. 10c.

**CANDIDISSIMA.**—Large trusses of pure white flowers; beautiful. Pkt. 10c.

**DEFIANCE.**—A true scarlet; extra fine. Pkt. 10c.

**YELLOW.**—Splendid novelty which it will pay every flower lover to try. Pkt. 10c.

**EXTRA CHOICE MIXED.**—From the finest German collection of named sorts. Pkt. 10c.

**FINE MIXED.**—Contains a nice variety of colors. Pkt. 5c.

**WAHLENBERGIA.**

**GRANDIFLORA MIXED.**—(Also called Platycodon.) Of wonderful beauty and attracts much attention on our seed farm. It is a perennial plant blooming the first year from seed, which should be sown early in open ground. They bloom very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of light blue, lavender and white. Plants increase in size from year to year and are sure to please. Our seed is saved from the best flowers. Pkt. 10c.



WAHLERBERGIA.

**WALLFLOWER.**—Greatly prized for their exquisite fragrance. They grow in long, brilliantly colored spikes of flowers. There are many varieties. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers.

**DOUBLE VARIETIES MIXED.**—Pkt. 12c.  
**SINGLE VARIETIES MIXED.**—Pkt. 5c



## PIGMY MEXICAN ZINNIA.

### ZINNIA.

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied, ranging from pure white to deep, purplish crimson. Splendid for hedges, beds or borders.

**PIGMY OR LILLIPUT.**—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange, purple, crimson and vermillion. These charming little zinnias are gems indeed, and should be in every garden. Mixed colors. Pkt. 10c.

**CURLED AND CRESTED.**—A most unique and charming new variety with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers large double, and the peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 10c.

**FINEST MIXED DOUBLE.**—Tall sorts. Pkt. 5c.

**FINEST MIXED DOUBLE DWARF.**—Pkt. 5c.

**NEW ZEBRA.**—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 10c.

### Complete Garden Collection.

(Col. No. 4.)

Consists of 40 packets Flower Seeds, our selection of varieties, but all good and some choice sorts. All different, easily grown and sure to please. Price \$1.00.

### Popular Collection.

(Col. No. 5.)

Contains 20 packets of the popular varieties of Flower Seeds. All different. Our selection of varieties, but all good. Price 50 cents.

### Sweet Pea Collection.

One packet each of the 17 varieties listed in this catalogue, on page 57, making the best assortment obtainable. Price 75 cents.

## SPECIAL MIXTURES OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

**INTERNATIONAL NOVELTIES MIXED.**—Each year we make a grand test of floral novelties, obtaining seed therefor from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils, but by far the larger number are valuable acquisitions, and we would like to have all our customers try them. We have saved seed of most of the varieties, but instead of listing them in our catalogue separately at ten cents to twenty-five cents per packet, we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c. per pkt., 3 pkts. 25c.

**WILD GARDEN MIXTURE.**—Over 400 kinds of such flower seeds as are suitable to be planted together; altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities in growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, and plant in this latitude about the first of May. Pkt. 5c. oz. 35c.



### ORNAMENTAL GRASSES.

These should be cut just as they come into bloom, and dried in the shade. Very useful for working up with the everlasting into winter ornaments; they lend a grace and beauty not obtainable without them.

**AGROSTIS, Nebulosa.**—Pkt. 5c.

**Pulchella.**—Pkt. 3c.

**BRIZA, Maxima.**—(Quaking Grass) Pkt. 3c.

**Gracillaris.**—Pkt. 5c.

**BROMUS, Brizaformus.**—Pkt. 3c.

**COIX.**—(Job's Tears)—Pkt. 5c.

**ERAGROSTIS, Elegans.**—(Love Grass)—Pkt. 3c.

**ERIANTHUS, Ravenæ.**—Pkt. 5c.

**EULALIA, Japonica.**—Pkt. 8c.

**HORDIUM, Jubatum.**—(Squirrel's Tail) — Pkt. 5c.

**LAGURUS, Ovatus.**—(Hare's Tail) — Pkt. 5c.

**STIPA, Pennata.**—(Feather Grass) — Pkt. 8c.

**ZEA, Japonica.**—(Striped Japanese Maize) — Pkt. 5c.



PAMPAS GRASS.

**GYNERIUM, Argenteum.**—(Pampas Grass)—A magnificent grass with graceful plumes twenty to thirty-six inches long. Blooms second year. Roots must be kept from frost. Pkt. 10c.

### BEAUTIFUL HARDY SHRUBS. (Col. 37.)

We want to remind our customers that nothing will add more to the attractive appearance of the lawn than a few handsome flowering shrubs. Many are in doubt what to order, but we will send for you six nice varieties and send them postpaid for only \$1.00, or, if you are willing to pay the express charges, we can send you much larger and stronger plants for the same price.

### BEAUTIFUL HARDY CLIMBERS. (Col. 38.)

Six elegant hardy vines or climbers for arbors, porches, etc., our selection of varieties, for \$1.00.

### FLOWERS FOR BOUQUETS.

This mixture embraces seeds of annuals producing flowers suitable for cutting and for borders, nearly all of them having long stems. Planted in a section of the garden, this will furnish a constant supply of cut flowers. Pkt. 10c.

**LOW-GROWING ANNUALS.**—This mixture contains seeds of a great variety of low-growing annuals, few of which exceed four to six inches in height, and which, when in blossom, present the appearance of Turkish rugs, carpeting the ground in their wide range of colors and forms. Pkt. 10c.

**MIXTURE OF FRAGRANT ANNUALS.**—Carefully made up from seeds of fragrant flowers only. A few of these will give full perfume throughout the day and evening, while some of them are also suitable for cutting. Pkt. 10c.

**MIXTURE OF CLIMBERS.**—This is a carefully filled packet of many beautiful annual climbers, suitable for growing together. Pkt. 10c.

**MIXED BIENNIALS AND PERENNIALS.**—About fifty varieties. Every garden should contain a good assortment, and it will be easily obtained in this way. Pkt. 10c.

**MIXED EVERLASTINGS.**—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

**MIXED GRASSES.**—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful decoration. Suitable for making up into winter bouquets. Pkt. 5c.

All of the above mixtures are carefully prepared from choice, fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.

### Good Fruit.

You can doubtless make room for a few fruit plants in your garden, and secure a supply of fresh fruit in season. We pay the postage on these:

**COLLECTION No. 25.** Twelve Grape Vines, consisting of two each of the Brighton, Arawam, Golden Pocklington, Worden, Concord and Niagara for \$1.00.

**COLLECTION No. 29.** 40 Strawberries, 10 each of Warfield, Parker Earle, Burbach, and Haverland for \$1.00.

**COLLECTION No. 30.** 2 Grape Vines, 2 Currants, 5 Raspberries, 5 Blackberries and 2 Gooseberries for \$1.00.

# FLOWER BULBS.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care, and quickly make a gorgeous display, while the bulbs can be kept over winter, and will year after year continue to return a hundredfold in beauty and satisfaction the trifling expense of the original cost.

In the following list we have selected the varieties which we believe will give our customers the best satisfaction. The bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted. Our bulbs are extra nice this year and prices are low. We trust all who have a flower garden will include some of these bulbs in their order.



**BLACKBERRY LILY.**—(Pardanthus.)—A flag-like lily blooming in July and August, is quite curious and handsome. Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. If plucked when they turn black, they retain their glossy color and appearance all winter, and are very nice for winter bouquets. Each 10c, 3 for 25c.

**TUBEROUS ROOTED BEGONIAS.**—Of all the introductions of recent years, none have received a heartier welcome than the giant-flowered, tuberous-rooted begonias, which have been brought to wonderful perfection. These flowers sometimes grow six inches in diameter, are borne upright on stiff stems, and outrival in colors the most brilliant or dazzling geranium. We have had many of these flowers grown in an ordinary way that measured four and one-half inches in diameter. They are of the richest colors, embracing every shade of white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange, and combine the richest shades. Tuberous begonias are well adapted to house culture, and make splendid beds on the lawn. The bulbs can be taken up and kept in a dry warm place through the winter as easily as a potato.

**Extra Choice Single Varieties Mixed.**—Grand assortment. Each 15c, doz. \$1.50.

**Extra Choice Double Varieties Mixed.**—All the best sorts. Each 25c, doz. \$2.50.

TUBEROUS-ROOTED BEGONIAS.



**CANNA.** These very handsome tropical-looking plants are unrivaled for fine effects on the lawn, their large glossy, green leaves, tinted with red, purple or bronze, and their showy spikes of flowers of various shades of red and yellow, produce an effect seldom equaled.

**Madam Crozy.**—One of the grandest of all sorts. The immense flower head, of the deepest vermillion red, gold bordered, is double the diameter of a gladiolus spike, closely filled with flowers, and these flower spikes or heads follow each other so rapidly that the plant is always in bloom. Spikes contain 12 to 25 flowers in full bloom at one time, 3 to 6 spikes in bloom at one time. Each 20c, 6 for \$1.00.

**Mixed French.**—We have a grand assortment of all the best new varieties of French or Crozy cannas, which we can furnish at 20c each, or 6 for \$1.00, postpaid.

**Mixed Bronze-Leaved.**—The older sorts used mainly for foliage beds or groups on the lawn. They are tall growing, attractive, bronze red foliage; the flower is small. Each 10c, doz. \$1.10.

**Mixed Green Leaved.**—Like above only leaves are green. Each 10c, doz. \$1.10.

CRINUM KIRKI.



TUBEROUS-ROOTED BEGONIAS.



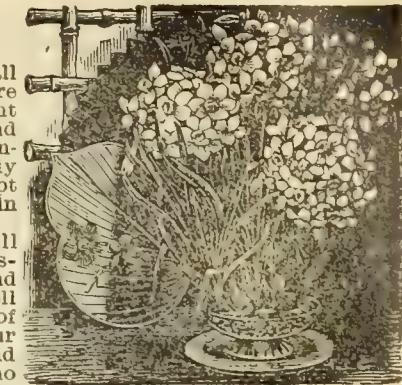
**NEW CROZY CANNAS.** leaves, tinted with red, purple or bronze, and their showy spikes of flowers of various shades of red and yellow, produce an effect seldom equaled.

**Madam Crozy.**—One of the grandest of all sorts. The immense flower head, of the deepest vermillion red, gold bordered, is double the diameter of a gladiolus spike, closely filled with flowers, and these flower spikes or heads follow each other so rapidly that the plant is always in bloom. Spikes contain 12 to 25 flowers in full bloom at one time, 3 to 6 spikes in bloom at one time. Each 20c, 6 for \$1.00.

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**Mixed Green Leaved.**—Like above only leaves are green. Each 10c, doz. \$1.10.



CHINESE SACRED LILY.

We claim to be the largest growers of bulbs in the west and we have as choice an assortment as can be found anywhere.

**DISCOUNTS.**—Your selection of bulbs to the amount of \$1.20 at catalog prices will be sent postpaid for \$1.00. \$2.50 for \$2.00.

**CRINUM KIRKI.**—This magnificent bulb, frequently as large as a child's head, produces flowers of the greatest beauty. Its leaves are wavy edged and radiate in the form of a rosette. Usually two flower stalks, each two or more feet tall, and of dark purplish color, are sent up at the same time, each bearing a large umbel, consisting of a dozen or more large lily-like flowers of the greatest beauty and fragrance. The petals are broad and pure white, with a deep reddish purple stripe down the center of the outside of each, showing through faintly on the inside. A plant which will create a sensation anywhere when in bloom. Fine, extra large bulbs (such as have sometimes been sold at from \$3.00 to \$5.00 each) each \$1.00, 3 for \$2.50, postpaid; smaller bulbs 50c, each

**CHINESE SACRED LILY.**—Very handsome. The flower is white, with a yellow tinted cup; a truss from three to seven, borne on a stem—sometimes single and double on the same stalk. It is very easily grown in water. The bulbs are very large, with from three to six various-sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them until the last of March, when the supply is usually exhausted, and we do not have more until fall. Ea. 20c.

**CINNAMON VINE.**—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. It is propagated from small bulbets, which will make from ten to twenty feet of vine, and with its beautiful heart-shaped leaves, bright green, peculiar foliage and clusters of delicate white flowers sending forth a delicious cinnamon odor, render it one of the most desirable climbers in cultivation. We can furnish the large tubers by mail, postpaid, for 10c, 3 for 25c; bulbets, 4 for 10c, doz. 25c.

The bulbs received in last order from you are very fine. Accept thanks.

J. Q. McPHERRIN, Oakland, Iowa.



CINNAMON VINE.

## IRIS. (Fleur-de-Lis.)

One of the most satisfactory of flowers for garden culture, as they are hardy and require very little care after once set out, and will produce a mass of flowers year after year.

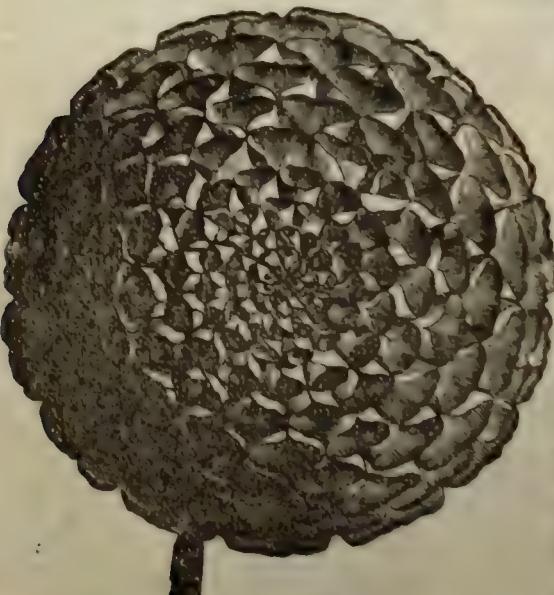
**PUMILA.**—Dwarf, early flowering, light blue, purple and yellow mixed. Splendid for edgings. Doz. 30c; 100, \$2.00.

**SIBERICA.**—A lovely iris, producing tall spikes of elegant bloom early in the spring. There are two varieties, one pure white and the other deep blue, making a fine contrast. Each 10c, 3 for 25c.



KÄMPFERI IRIS

When well grown the Dahlia is one of the most handsome flowers in the whole list, and especially those of the newer varieties, such as we offer. They are of sturdy growth and covered with hundreds of flowers. The secret of success in growing them lies in having a good, deep, mellow soil, deeply spaded and thoroughly enriched with well-rotted manure. During hot, dry weather we always give them an abundance of water, on the plant as well as at the roots. Sprinkling the foliage daily tends to a vigorous, healthy growth. Always put a strong stake by each plant and tie the plant. They well repay a little care and each plant will be a specimen to be proud of. Don't fail to try a few. There is such an endless variety that we think it best to describe only a few sorts. Our mixture contains



DOUBLE DAHLIA.

**Double Mixed Varieties**—Contains a good proportion of the best scarlet, yellow and white varieties, besides the many other shades which are most popular. Each, 15c; doz. \$1.50.

**Fancy Double Mixed**—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each, 25c; doz. \$2.25.



LILY OF THE VALLEY.

**KÄMPFERI.**—Marvels of beauty and stateliness. Think of a plant sending up to the height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors—white, in ligo, violet lavender, lavender-sky blue, royal purple, blush, yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand and beautiful than your imagination can portray. Such are these new Kämpferi irises, the king of hardy perennial plants. Once planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Either double or single mixed. Each 15c, 2 for 25c, doz. \$1.50.

**GERMAN.**—The true "Fleur-de-Lis" the national flower of France; perfectly hardy, grow and bloom luxuriantly anywhere, particularly in moist situations. Plants well established produce from 50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. In beauty, flowers rival the finest orchids. Colors ranging through richest yellows, intense purples, delicate blues, soft mauves, claret reds, whites, primroses, and bronzes of every shade. Mixed colors. Each 15c, 3 for 25c.

**MIXED VARIETIES.**—Splendid assortment of various varieties. Each 10c, doz. \$1.00.

## LILY OF THE VALLEY.

Well known and universally admired spring flowering plants, equally well adapted to winter flowering in parlor or conservatory. Flowers bell-shaped, freely produced and powerfully fragrant. To grow in open ground, select a partly shaded, rather moist situation and they are charming when grown in large patches, as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. These dormant roots can be potted at any time; put six pips in a 4-inch pot, place in a cool situation until wanted for blooming, then bring out to light and warmth, give plenty of water. Each 5c, 3 for 12c, doz. 40c.

## DAHLIAS.

about 100 choice varieties. We have a large collection of these exceedingly showy and grand fall flowers, and can furnish almost any color desired. They comprise all the most gorgeous shades imaginable. At prices named we send strong, dry roots, as we do not think the young pot plants at all desirable for sending by mail, though they can be grown at one-fourth the cost.

**Yellow Beauty.** A clear double yellow flower of beautiful shape and is greatly admired on our grounds. Each, 20c; per doz. \$2.00.



**White Dove**—Flowers are extra fine, double, pure white, petals beautifully toothed, stems very long; height 3½ feet. The cut-flowers of this variety are more sought for by florists than any other, and it is the best of all the whites. Each 30c; doz. \$3.00.

**Crimson King**—A very handsome, rich dark crimson, very double. Everyone should have one or more of these. Each, 20c; doz. \$2.00.

**Scarlet**—A mixture of the best double scarlet varieties. Each, 20c; doz. \$2.00.

**White**—A mixture of the best double white varieties. Each, 20c; doz. \$2.00.

**Pink**—A mixture of the best double pink and rose color sorts. Each, 20c; doz. \$2.00.

**Constance**—The best pure white double Cactus Dahlia. Of elegant shape, and one of the finest blooming sorts. Each, 20c, doz. \$2.00.

**Juarez**—A grand and distinct variety of the Cactus Dahlia. The large flowers are of a rich glowing crimson-scarlet color. Each, 25c; doz. \$2.25.

**Mixed Cactus**—A good assortment of colors of this popular class. Each, 20c; doz. \$2.00.



SINGLE DAHLIA.

**Fancy Single Mixed**—The single dahlias are rapidly growing in favor, on account of their freedom of bloom and handsome colors and markings. Vastly different from the old single sorts; nice for table or corsage bouquets. Each, 15c; doz. \$1.50.

## CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers. Our bulbs will produce immense spikes of bloom. Gladiolus are of very easy culture, and to have a constant succession of flowers the bulbs should be planted at intervals from the middle of April until the first of July. We have greatly reduced our price this year to induce all to try our superb varieties.

**ROYAL QUEEN.**—We do not hesitate to call this by far the finest and largest flowering variety of gladiolus ever introduced. The bulb, or corm, is usually very large, producing a strong, stiff flower stalk about three feet high.

**MEYERBEER.**—Rose scarlet, amaranth red blotch. Each 10c, 3 for 25c.

**SALMON PINK.**—A handsome new variety of pure salmon pink color. Attractive. Each 10c, 3 for 25c.

**CHOICEST MIXTURE.**—Made up mainly from best named varieties. Each 5c, doz. 50c.

**FINE MIXED.**—Contains a nice assortment. Each 3c, doz. 25c. By express, \$1.50 per 100.

**CHOICE YELLOW VARIETIES.**—Each 6c, doz. 60c.

**LIGHT AND WHITE VARIETIES MIXED.**—Each 5c, doz. 50c.

**RED VARIETIES MIXED.**—Each 5c, doz. 40c.

**PINK, STRIPED AND VARIEGATED VARIETIES.**—Each 5c, doz. 50c.

**SEEDLINGS.**—A splendid assortment grown from the best hybrid mixed seed. There are sure to be a number of choice new varieties among these. Each fc, doz 50.

**COLLECTION OF GLADIOLI.**—Six choice named varieties, our selection of sorts, but all labeled, containing an assortment of colors. Also one packet of gladiolus seed of our own growing, carefully hybridized so as to produce new varieties; will bloom second year—all for 25c postpaid.

**GLADIOLUS SEED.**—One of the most interesting branches of Gladiolus culture is the growing of bulbs from seed. No skill or special care is required, and in the course of two or three years flowering bulbs will be secured. It is not only very interesting, but there is almost sure to be found new sorts that are the results of hybridization, and which could not be secured in any other way. Our seed is from the finest flowers, embracing hundreds of markings and colors. Pkt. 8c.

### LEMOINE'S HYBRID GLADIOLUS.

lus. Each 10c, 3 for 25c.

**LEMOINI.**—Fine, good sized flowers, closely set on the spike, which is about one foot long; upper petals of a creamy white color, tinted salmon red, the lower ones spotted with deep purplish crimson, bordered with bright yellow. Each 5c, doz. 50c.

**MARIE LEMOINE.**—Long spike of fine, well expanded flowers; upper divisions of a pale creamy color, flushed salmon lilac, the lower divisions spotted purplish violet, deep yellow border. Each 5c, doz. 50c.

**MIXED LEMOINI.**—Many charming sorts. Each 5c, doz. 50c.

### FREESIA.

**REFRACTA ALBA.**—Small bulbs bearing peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. It grows well and blooms freely in an ordinary sitting room if placed near a window and not kept too hot. It appears to best advantage when four or five bulbs are set in a six-inch pot in light, rich soil. Each 3c, doz. 20c.

### DIELETRA. (*Bleeding Heart.*)

Well known, hardy and pretty spring bloomers with graceful drooping sprays of flowers. Strong plants. Each 20c, 3 for 50c.

### CYCLAMEN.

**GIGANTEUM.**—One of the finest plants in cultivation for winter blooming. Young bulbs, if well grown, will sometimes have as many as 100 flowers open or ready to open at one time. The colors vary from the purest white to the brightest crimson and purple, some of the flowers being beautifully spotted; foliage charmingly variegated green and gray, the under part of the leaves being bright red. Easily grown and will bloom three or four months in succession during the dullest part of the year. Each 25c.

CYCLAMEN.



FREESIA.



LEMON LILY.

a brilliant crimson—the brightest shade refined in form as to make this the most flowers have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. The bulbs are about slender stems about eighteen inches in height, bearing beautiful heads of flowers as shown in the engraving. It is perfectly hardy, and fine for clumps and masses out doors. We can offer fine home-grown bulbs this season at a reasonable price. All should have this most elegant flower. Each 20c, 3 for 50c, doz. \$1.75.

**CANDIDUM.**—The pure white garden or Easter lily; flowers snow white with heavy, yellow stamens; hardy and free blooming, bearing five to twenty blossoms. Plant early and leave undisturbed. Each 10c, 3 for 25c.

**AURATUM, OR JAPANESE GOLD BANDED LILY.**—This is justly entitled to the name often given it—The Queen of Lilies—and it is decidedly the most beautiful of all lilies. The immense flowers are deliciously fragrant. The large white petals are thickly spotted with chocolate crimson, and have a bright golden yellow band through the center of each. This magnificent lily succeeds well everywhere. Each 20c, 3 for 50c.

**SPECIOSUM ALBUM.**—Large, pure white flowers of great substance, beautifully recurved. For garden or pot culture. Each 20c, 3 for 50c.



SPOTTED CALLA.

# BEAUTIFUL CORAL LILY CULTURE

## LILIES.

No class of plants capable of being cultivated out of doors possess so many charms; rich and varied in color, stately and handsome in habit, profuse in variety, and of delicious fragrance, they stand prominently out from all other hardy plants. They thrive best in dry, rich soil, where water will not stand in winter. After planting they require very little care and should not be disturbed for several years, as established plants bloom more freely than if taken up annually.

**CORAL LILY.**—Of all dwarf-growing lilies, the Siberian Coral lily (*Lilium tenuifolium*) is undoubtedly the most brilliant and beautiful. The flowers are

imaginable—and so graceful and captivating of all the lilies. The flowers are

quite distinct from

all other flowers. The size of a walnut and produce



**SPECIOSUM ROSEUM.**—Pure white ground, stained and spotted rose, similar to Speciosum Album, except in color; very beautiful. Each 15c, 3 for 40c.

**ELEGANS, OR THUNBERGIANUM.**—Early; flowers cup-shaped, borne upright, and of a great variety of colors. They are very effective planted either in lines or clumps, and flower in many showy sorts. Each 15c, 3 for 40c.

**HARRISII.**—(The Bermuda Easter Lily.) Immense, pure white trumpets with a very delicate perfume fragrance; remarkable for its earliness and extreme profusion of bloom. They are the finest lilies for house culture and are largely in use for winter forcing. Each 20c, 3 for 50c.

**LEMON LILY.**—One of the handsomest lilies for garden culture. It is not a true lily as the bulb is of different shape, but the flower is very much like the *Lilium Speciosum* in form and about 3 inches in diameter. The color is entirely different from all other sorts, being a clear lemon yellow of very bright

pleasing appearance. They have also a most delicate fragrance. There seems to be almost no limit to the amount of bloom produced, each flower stem bearing 7 to 10 flowers. It is sure to bloom the first season and is the flower for everyone. Each 25c, 3 for 60c.

**LITTLE GEM CALLA.**—This beautiful little floral gem originated in the Guernsey Islands, and is in appearance a true miniature specimen of the old Calla, rarely growing over 10 to 12 inches high and commences to bloom when 6 to 8 inches. This is highly regarded in some places but has not proved a good bloomer at our place. Each 25c, 3 for 60c.

**MAMMOTH WHITE CALLA.**—The largest flowering variety and most majestic. It is of perfect form with large tropical appearing leaves of bright green color, and yielding throughout the season a profusion of superb white flowers. Monster bulbs, each 25c, 3 for 60c. Medium size, each 15c, 3 for 40c.

**SPOTTED CALLA.**—Leaves are deep green, with numerous white spots, which give the plant a magnificent appearance. They grow freely in any soil. Can be planted out in the spring like a gladiolus, and blooms well during the summer. The flowers are pure white with a black center, and are very beautiful. Each 15c, 3 for 40c.

**ZEPHYRANTHES.**—Popularly known as "Zephyr Flowers" and "Flowers of the West Wind." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in May, flowering with great profusion during the summer. Very suitable for pot culture; 6 to 12 bulbs clustered in a 6-inch pot in fall will give a fine display during winter; pink and white. Each 10c, 3 for 25c.



ZEPHYRANTHES.



LILUM HARRISII.



LITTLE GEM CALLA.



## Gem Collection of Bulbs.

One strong bulb each of the following sorts for \$1.00.

**APIOS, TUBEROSA.**—This is one of the grandest and most beautiful climbing vines in cultivation. It grows very quickly and blooms profusely, bearing lovely clusters of rich, deep purple flowers, possessing a strong delicious violet fragrance. The bulbs are perfectly hardy and need not be taken up over winter. Each 5c, 3 for 10c, doz. 30c.

**CANNA.**—Handsome tropical looking plants described on page 60. Bronze leaved. Each 10c, doz. \$1.10.

**CALLA.**—A very popular plant, growing rapidly and producing large, pure white flowers. Should have plenty of water. Each 15c, doz. \$1.25.

**AMARYLLIS FORMOSISSIMI.**—(Jacobean Lily.)—Dark velvety crimson. Bulbs may be potted any time in spring. They bloom year after year. Each 15c, 3 for 40c, doz. \$1.25.

**HYACINTHUS CANDICANS.**—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the number of flowers varies from 20 to 60 each. The appearance is like Giant Snowdrops. Very suitable for cemetery decorations. Each 5c, 3 for 12c, doz. 40c.

**AURATUM, OR JAPANESE GOLD BANDED LILY.**—Decidedly the most beautiful of all lilies. The immense flowers are produced in the greatest profusion and are deliciously fragrant. The large white petals are thickly spotted with chocolate crimson, and have a bright golden band through the center of each. This magnificent lily succeeds well everywhere. Each 20c, 3 for 50c.

**EXCELSIOR PEARL TUBEROSE.**—One of the most popular of bulbs, as it produces a great number of beautiful, pure white flowers of most delightful fragrance. See more complete description page 65. Each 5c, doz. 40c.

**MADERIA, OR MIGNONETTE VINE.**—Ornamental climber of very rapid growth: thick, light green glossy leaves; flowers in long racemes similar to mignonette and has the same fragrance. Each 3c, doz. 30c, 100 by exp. \$1.50.

**OXALIS MIXED.**—Handsome little flowers for growing in hanging baskets, vases, etc. Each 5c, doz. 50c.

**OXALIS, DOUBLE YELLOW.**—Each 8c, doz. 75c.

**CALADIUM, ESCULENTUM.**—(Elephant's Ears.) A splendid tropical plant, growing 4 or 5 feet, with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves often growing 3 feet long. Of easy culture: roots can be stored in cellar in the fall, and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c, very large 30c, 3 for 75c.

**MILLA BIFLORA.**—(Mexican "Star of Bethlehem.") One of the loveliest and most desirable bulbs. Pure waxy white, of great substance: keeps for days when cut and placed in water. Each 10c, doz. 75c.

**TIGRIDIA.**—(Shell Flower.) Beautiful summer flowering bulbs, producing large, gorgeous flowers of red, yellow and white, handsomely spotted with black. Each 5c, doz. 50c.

**TRITOMA.**—(Red Hot Poker Plant.) Grows from four to six feet high, and the flowers measure 12 to 15 inches in length and 12 inches in circumference. Each 20c, 3 for 50c, doz. \$1.50.

One bulb each of the above fourteen varieties, amounting to \$1.41, for only \$1.00.





ALBINO TUBEROSE.

**OXALIS.**

There are many varieties of this charming little plant which are used both for hanging baskets and outdoor bedding.

**DOUBLE YELLOW.**—This handsome new variety is well shown in our engraving and makes a most attractive plant for hanging baskets, vases etc. Bulbs are very small and several should be planted together, and will then make a grand showing. Each 8c, doz. 75c.

**DEIPII ALBA.**—Nothing so valuable for edging the borders of walks or flower beds as the beautiful summer oxalis. Bulbs, when planted three inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom very quickly after planting, they furnish a neat and attractive border the whole season. Doz. 10c, 100, 40c.

**DEIPII ROSEA.**—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Doz. 10c, 100, 50c.

**LASIANDRIA.**—Leaves more finely cut than the Delpii, and flowers rosy pink. Doz. 10c, 100, 60c.

**PAEONIES.**

These are very beautiful, showy and easily cultivated plants, blooming from the beginning of May to the end of July. They should have a place in every garden. A selection will give a continuous bloom for three months. We offer the best sorts varying from pure white, straw color, salmon, and flesh color to lilac and rose. Each 25c, 12 for \$2.50.



WINTER BLOOMING BULBS.

**AMARYLLIS.**

**ATAMASCO.**—The flowers are upright with broad petals, either pink or white. Each 10c.

**JOHNSONII.**—Of strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering the flower very attractive. Very fragrant. Each 50c.

**TUBEROSE.**

**EXCELSIOR PEARL.**—A greatly improved variety, characterized by its short, robust stem and long spike filled with beautiful, large, perfectly double flowers of most delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and are unsurpassed for buttonhole bouquets. Don't fail to include a few in your order. Choice bulbs, postpaid, each 5c, doz. 40c.

**ALBINO.**—This splendid novelty is very popular. It is a single pure white variety, well shown by our illustration, and the flowers are very fragrant. The spike is very large and evenly filled; flowers 30 days earlier than the old single variety, throwing from two to five flower stems from a single bulb, and these again are often branched, but its great merit above all other tuberoses is that it is entirely free from the brown tint common to the old sort on the back of the petals, the tube and expanded sepals being of the purest waxy white, making it one of the most valuable plants ever introduced for cut flowers. Each 10c, 3 for 25c, doz. 85c.

**YUCCA FILAMENTOSA. (Adam's Needle.)**

A tropical looking plant, with long narrow leaves that remain green the entire year. This beautiful and interesting plant should be in every collection. So hardy that it is almost an evergreen. It grows in clumps and throws up a flower stalk from three to four feet in height, from which hang from one to two hundred creamy white, bell-shaped flowers. It remains in bloom a long time. Strong two year plants. Each 25c, 3 for 65c. One year plants, each 15c.

**Winter Blooming Bulbs.**

Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when planted in the house, they come into bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs, which are grown by one of the best bulb growers in Holland, arrive in this country about September 1<sup>st</sup>, and we usually have a good assortment of them for about two months. The best way is to order during spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue, which contains a full descriptive list.

**HYACINTHS.**—Either double or single mixed. Each 7c, doz. 65c.

**TULIPS.** Double or single mixed. Each 5c, doz. 30c.

**NARCISSUS OR DAFFODILS.**—Mixed varieties. Each 5c, doz. 50c.

**CROCUS.**—Mixed colors. Doz. 10c.

**SCILLA SIBERICA.**—Each 4c, doz. 35c.

**SNOWDROPS.**—Single—extra fine bulbs, 20c per doz. Double—extra fine bulbs, 30c per doz.



PEARL TUBEROSE.

**SPIDER LILY.**

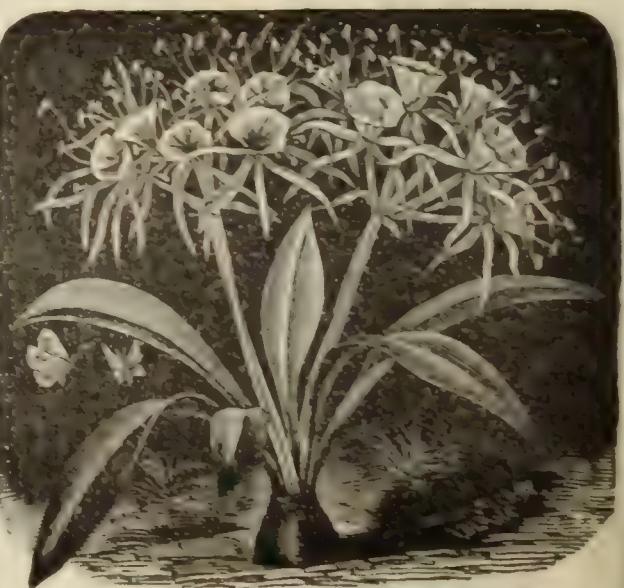
That this fine southern bulb has not become more popular before is only due to its former high price. Now that it can be obtained so cheaply, thousands are being sold. Strong bulbs, such as we offer, will send up many spikes, crowded with dozens of the most fragrant white flowers imaginable, which will expand daily for many weeks. A single spike cut off and placed in water when the first flowers begin to open will keep on blooming for two weeks and often longer, filling a room with their delightful fragrance. In mild localities the bulb is hardy. Each 25c, 3 for 50c.

**DESIRABLE CANNAS.**

**CHARLES HENDERSON.**—The richest deep crimson of any canna on our place, and a sort which charms everyone. Heads large, compact and symmetrical. Each 25c.

**FLORENCE VAUGHAN.**—A most striking and beautiful yellow canna, spotted with bright red. Each 25c.

**ROBUSTA.**—A tall variety with immense leaves of dark bronze color. Very tropical. Each 15c.



SPIDER LILY.

# FLOWER PLANTS.

We are now making a specialty of this branch of our business, and are devoting a large space to the growing of flower plants exclusively for the mail trade, as they require special culture for this purpose, and must be hardy as well as strong, vigorous and healthy. Plants that have been pushed ahead and had a mushroom growth, such as is common in hothouses, are of but little value for mailing. Our system of packing is so very complete that plants arrive in almost as perfect a condition after traveling many hundreds of miles as they were when packed. At prices named we send the plants postpaid. When plants are ordered to be sent by express, we not only send larger plants, but also put in enough extras to cover the express charges, and, where it is possible to do so, we would advise our customers to have their plants shipped in this way. When ordering in this department, please mark on order sheet about the date you would like the plants sent, otherwise we ship as quickly as possible, or when weather permits.

**SIZE OF PLANT ORDERS.**—While we wish to be as accomodating as possible, we must decline to fill any plant order amounting to less than fifty cents. By our careful system of packing it is impossible for us to pack an order at a cost of much less than twenty-five cents, no matter if the order is only for a single plant; consequently it will readily be seen from this that all orders for less than fifty cents would have to be filled at a loss. Plant orders amounting to less than fifty cents are not desired, and will not be filled unless ten cents extra is sent to cover our extra cost of package and postage. Above applies to plant orders only. No matter how small a seed order, if only for a single packet, we are always glad to fill it. No discount on special collections.

**DISCOUNTS.**—Plants amounting to \$1.10 for \$1.00, \$2.25 for \$2.00, \$3.50 for \$3.00, \$6.00 for \$5.00.

## ORDERS FOR PLANTS MUST AMOUNT TO AT LEAST 50 CENTS.

### ASPARAGUS.

**TENNISIMUS.**—Beautiful species of climbing habit. Remarkable for the delicate appearance of its foliage. The sprays are beautiful used with cut flowers and in the arrangement of bouquets. Each 15c.

**PLUMOSUS.**—One of the handsomest of our foliage plants. The leaves are a bright green, gracefully arched, and as finely woven as the finest silken mesh. Each 25c.

### CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. Their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn.

**JESSICA.**—A most beautiful, clear, pure white, with very long petals. A large flower of splendid shape. Plant a vigorous grower; early and profuse bloomer. Each 15c.

**LOUIS BOEHMER.**—The splendid new Pink Ostrich Plume Chrysanthemum. Grand flowers, splendid globular form; petals broad and lasting and thickly covered with the fine, downy hairs so much admired, and from which the name Ostrich Plume is derived; color deep, rich pink; solid and fine. Plant strong and vigorous. Each 15c.

**KIOTA.**—Soft, clear, incurving yellow; full in the center, 6 to 7 inches in diameter, and nearly as deep. Each 10c.

**CONSTELLATION.**—Nearest to a true pink yet introduced. Good sized flowers with straight petals. Each 15c.

**EUGENE DAILLEDOUZE.**—Large, full, double, glowing bright yellow, of great substance. Each 15c.

**JOANNA.**—One of the very finest bronze to date. Extra large, beautiful, half globular form, with incurved, shapely petals of solid build; carries flowers erect on stiff stem; heavy deep green foliage, well up to flower; late. Each 20c.

**MRS. A. J. DREXEL.**—A splendid crimson; shape half spherical; petals long, arranged like rays. Each 15c.

**THE BARD.**—Extremely double, reflexed variety of medium size. Color a rich crimson, with outer edges of petals tinged with gold. Vigorous grower. Each 15c.

**IVORY.**—Flower a perfect ball of purest white, very double and of immense size, some being 6 in. in diameter. Each 10c.

12 Chrysanthemums, our choice of varieties, \$1.00.



VERNON BEGONIA.



LOUIS BOEHMER CHRYSANTHEMUM.

**ARGENTEA GUTTATA.**—It has purple bronze leaves, oblong in shape, with silvery markings, and is in every way a most beautiful begonia. It produces white flowers in bunches on ends of growth stems. Splendid for house culture. Each 15c.

**SEMPER FLORENS GIGANTEA ROSEA.**—A superb variety, strong upright, growth; fine, large flowers of clear, cardinal red, and the bud only exceeded in beauty by the open flower. Each 25c.

**BERTHA McGREGOR.**—A new Rex variety; leaf nine by six inches, long-pointed and with deep notches. A free, strong grower, producing foliage in abundance. The center of the leaf is small, dark, and palm shaped, the body of leaf being solid silver, outlined with bronze. Extremely elegant. Each 25c.

**RICINIFOLIA.**—The leaf is very large—will average a foot or more in diameter—and is shaped like ricinus. Color a rich green, with reddish markings. In bloom it is magnificent; the panicle is lifted high and spray-like, quite clear of the foliage. One of the best for winter blooming. Each 15c.

### ACHANIA.

**MALVAVISCUS.**—A vigorous growing plant resembling abutilons in habit and growth. Flowers brilliant scarlet. Each 10c.

### ACHILLEA.

**ALBA.** (The Pearl.) A new variety originating in France. The flowers are large, forming a beautiful plant from eighteen inches to two feet in height. It is completely covered with pure white flowers from July until frost; hardy. Each 10c.



LOUIS ERDODY BEGONIA.



CARNATIONS.—1, Silver Spray. 2, American Flag.

**MANETTA.**

**BICOLOR.**—Possesses many real points of merit. Its remarkably continuous and profuse blooming qualities, the ease with which it can be grown, its attractive appearance, its adaptability for both pot culture and bedding, will all tend to make it indispensable for bay windows, vases, baskets, etc. It also looks well when bedded out, as it grows rapidly and blooms freely all summer. It is especially adapted to winter blooming in the house. A constant bloomer. Color vivid crimson scarlet, tipped with golden yellow. Each 10c; extra large plants 25c

**FUCHSIAS.**

These, when in full bloom, are the most graceful of all cultivated plants.

**MRS. E. G. HILL.**—The most perfect and beautiful double white fuchsia ever raised. The short tube and sepals are a bright, rich, reddish crimson color, corolla extra large, full and double; flower of the largest size; is of robust, upright growth, compact and very symmetrical. Each 10c.

**BLACK PRINCE.**—Tube and sepals bright waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. They are easily grown in tree form. Each 10c.

**PHENOMENAL.**—Very large flowered sort; sepals bright scarlet with rich violet purple corolla, very double, flaked with red. Each 10c.

**STORM KING.**—Of enormous size. The sepals are glowing scarlet crimson, while the large double corolla is of delicate waxy whiteness, elegantly penciled with deep, bright crimson. Each 15c.

**EARL OF BEACONSFIELD.**—Three inches long, deep carmine. Each 10c.

**SPECIOSA.**—Sepals blush, corolla carmine. Each 10c.

**SNOW FAIRY.**—Sepals crimson; double, pure white corolla. Each 10c.

**NIGHT-BLOOMING CEREUS.**

This gorgeous cactus, which usually opens at seven o'clock evenings, attains its greatest beauty and perfection at twelve, bears abundant blossoms, measuring twelve inches in diameter, and of delicious fragrance. The sort we offer is very free blooming, requiring little care. Color, creamy white. Each 25c.

**COLEUS.**

The coleus is the best and cheapest ornamental leaved plant we have for ornamental bedding. A few dozen of these plants will make a beautiful bed. There is such an endless variety in their colors and markings that with a little taste in planting varieties, the most gratifying results can be obtained at a trifling cost. Each 10c, doz. 75c.

**CARNATIONS.**

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, positively delicious, combined with various colors and handsome form, leaves but little to be desired. They are very easily grown and bloom freely either as bedding plants in summer, or in the greenhouse or window garden in winter.

**SILVER SPRAY.**—This is a grand, pure white, early and free-flowering carnation of healthy, vigorous growth; makes fine bushy plants, and bears an abundance of flowers on long stems; never bursts; petals, finely fringed and very fragrant; an excellent variety, and best of all for general use. Each 15c.

**AMERICAN FLAG.**—An immense, strong, vigorous grower and profuse bloomer. Very fragrant. The color is distinct from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 15c.

**GOV. RUSSELL.**—A pure white with a large flower on a long, stiff stem, and does not burst its calyx. It is beautifully shaped, and does finely as a pot plant. Each 10c.

**PRESIDENT GARFIELD.**—Deep red, fine large flowers of great substance. A very good variety. Each 10c.

**LIZZIE McGOWAN.**—Color pure paper white; petals crisp and lasting; very large and regular formed flowers almost like roses; a strong grower and very free flowering. Valuable all the year round. Each 10c.

**TIDAL WAVE.**—Flowers very large and perfect in form; color bright rosy pink, changing to a beautiful soft pink with salmon shading when flowers are fully expanded. Excellent variety for pot culture. Each 10c.

**GOLD FINCH.**—A beautiful, new, golden yellow carnation, with not a particle of stripe or foreign color; full and double; free, vigorous and healthy grower and continuous bloomer. Produces a great number of flowers. Each 15c.

**DAYBREAK.**—Color is exquisite, a charming shade of flesh pink. Daybreak became so popular among flower lovers that the blooms readily sold for more than any other variety in the market the past season. The growth of the plant is vigorous and healthy, and the flowers possess the carnation fragrance in a marked degree. Each 15c.

**IVY LEAVED GERANIUMS.**

**CHARLES TURNER.**—Handsomest of any Ivy geranium. The flowers are very double, full and perfect in form; color rich, deep pink. The plant is a strong grower, producing flowers at every joint. See illustration. All should try it. Each 15c.

**JEAN DE ARCH.**—Very large and finest white in existence. Each 10c.

**P. CROZY.**—A grand hybrid between the Zonales and Ivies, having the foliage of the former, but very heavy in texture, and while the forms of truss and florets are found only among the Ivies the color is soft, bright scarlet with veining of maroon. Habit of plant very dwarf and compact, and one of the most prolific flowering sorts in existence. Each 15c.

Ten other choice varieties. Each 10c



BICOLOR MANETTA.



IVY GERANIUM, CHARLES TURNER. (One-half natural size.)



SOUVENIR DE MIRANDE.

## SINGLE GERANIUMS.

For constancy of bloom the geranium is unequalled.

**SOUVENIR DE MIRANDE.**—The finest geranium of late introduction, and the greatest novelty that has appeared in years. Entirely distinct from any other variety known. It has nicely formed, round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering, and produces fine trusses of its magnificent blooms. The large engraving shows its peculiar striping. Each 10c.

**SCARLET CLOTH.**—It is an immense flowered single variety, the separate florets of which are larger than a silver dollar. Trusses are large and the plant is almost covered with them. Color a most intense rich velvety scarlet. Each 10c.

**BRIDAL WREATH.**—Similar to Souvenir de Mirande, but colors opposite, being a pink body color with white edge. Each 10c.

**BRUTUS.**—Dark scarlet crimson; very large trusses sometimes six or eight inches in diameter. Each 10c.

**QUEEN OF THE WEST.**—Orange scarlet. Best bedding variety. Each 10c.

**LA GRANDE.**—Large scarlet, white eye. Each 10c.

**GEOFFERY.**—The darkest single scarlet grown; fine. Each 10c.

**JEALOUSY.**—Large orange yellow. Each 10c.

**LA VESTAL.**—The best single white. Each 10c.

**PEACH BLOSSOM.**—The color of a peach blossom exactly. Each 10c.

**FRANCIS ARAGO.**—Flowers finely formed and color silvery salmon shaded peach. Each 10c.

**MRS. A. BLANC.**—Apricot red, veined darker, with center of vinous rose. Each 15c.

**MAD. DU LAC.**—Beautiful bright rose, upper petals blotched pure white. Large trusses of fine shaped single flowers. Each 15c.

**NEW LIFE.**—The flowers are vivid scarlet, irregularly striped with salmon and white like a carnation; truss good, very free flowering; sports sometimes; no two flowers alike, very attractive and popular. Each 10c.

Any of above sorts \$1.00 per doz.

## TRIFOLIATE ORANGE.

The most hardy of the orange family, and will stand our northern climate with little or no protection, and is also desirable for pot culture. In the parks of both New York and Philadelphia it is growing luxuriantly, blooming and fruiting profusely. It is dwarf, of a low shrubby growth, with beautiful, trifoliate, glossy green leaves, and an abundance of large, white, sweet-scented blossoms, borne almost continually. The fruit is small and bright orange red in color. A plant of great beauty. Each 25c.

## DOUBLE GERANIUMS.

**BRUANTI.**—The finest double bedding geranium in cultivation. The leafage is round, nicely zoned, having great texture and substance. The color of the flower is light vermilion red; trusses exceptionally large and borne in immense spherical balls often eight inches in diameter. Each 15c.

**S. A. NUTT.**—A very fine, dark, deep, rich, velvety maroon; an excellent bedder and a perfect pot plant. Each 10c.

**MRS. E. G. HILL.**—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c.

**BLANCHE MOULAS.**—A grand bedding variety of much merit. The flowers are large, salmon, beautifully bordered with white. A geranium of rare beauty. Each 10c.

**MARVEL.**—Very large, dark, velvety scarlet. A glowing color. Each 10c.

**LEON SAY.**—Large bold trusses of dark vermilion-red. Darkest of any geranium. Fine for bedding. Each 10c.

**GOLD FINDER.**—A rich, golden, orange scarlet, its large trusses opening freely, the habit being as free and robust as that of any other variety. Yellowest of all geraniums. Each 10c.

**GLORIE DE FRANCE.**—A grand variety; flowers large and double; center distinct, dark salmon with large border of rosy white. Each 15c.

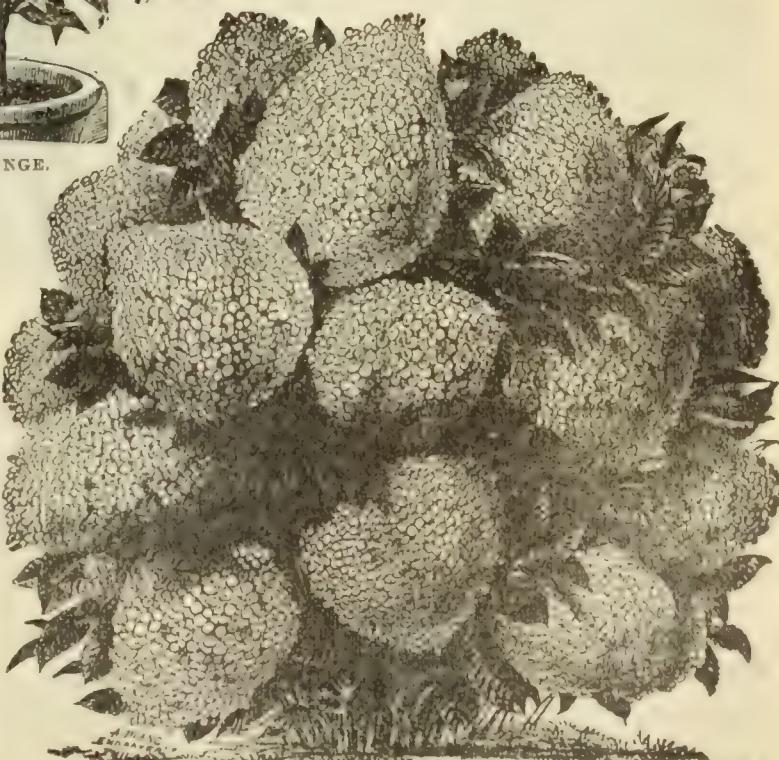
**HARRIET THORPE.**—Delicate blush, shaded with pearl pink; trusses large and well shaped. Each 10c.

**ASA GRAY.**—Orange salmon. Each 10c.  
**BISHOP WOOD.**—Scarlet, shading to vermilion. Each 10c.

**LA FAVORITE.**—This is the best double white geranium ever introduced; a strong grower and profuse bloomer; trusses very large; flowers beautifully formed and of the purest snowy white; plant is of close, compact habit, and remarkably free flowering. Each 15c.

## HYDRANGEA.

**PANICULATA GRANDIFLORA.**—Tens of thousands of these noble summer and autumn flowering shrubs have been sold the past few years and the demand is still good. Absolutely hardy grown in any soil, and bloom the same year they are set out. They flower abundantly, bearing hundreds of immense panicles of bloom, white at first and turning to rose in autumn. To make a fine specimen, the soil should be as carefully prepared as for any shrub. An annual shortening of the branches tends to increase the size of the flowers. Each 15c.



HYDRANGEA PANICULATA GRANDIFLORA.



TRIFOLIATE ORANGE.

## CONDENSED LIST OF PLANTS.

	EACH	EACH
<b>ABUTILON, Layelion.</b> —Bright golden yellow.....	10	PANSIES.—These lovely flowers are too well known to need any description. Our plants are strong and well grown from the best seed; all choice varieties mixed. Doz 50c.
Snow Ball.—Pure white, very handsome.....	10	PASSION FLOWER. An attractive vine bearing beautiful flowers. 15
Thompsonii Plena.—The only double variety of its class. Flower, rich, deep orange, shaded crimson, foliage variegated.....	15	PETUNIA.—All the finest double fringed varieties. 10
<b>ALOYSIA, Citridora.</b> —(Lemon Verbena)—Delightfully fragrant.....	15	PELAGONIUMS.—Commonly known as Lady Washington geraniums. Flowers are large, with deep blotches on the upper petals and bright spots on the lower; very beautiful and ornamental; we have a very large assortment of these. 20
<b>ALTERNANTHERAS.</b> —Bright colored dwarf growing foliage plants largely used for carpet bedding, borders, etc. Per doz., 75c.....	10	SMILAX.—Well known, handsome climber, and the most popular of all vines with the florists. 15
<b>AMPELOPSIS, Veitchi.</b> —(Boston Ivy) One of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, forming a perfect mass of foliage. Color, fresh, deep green in summer, changing to crimson and yellow in autumn. 25	10	SALVIA, Splendens.—Pretty flowering plants and indispensable in autumnal garden; bright scarlet. 10
<b>ARTILLERY PLANT.</b> —Very desirable for baskets and vases.....	10	TORENIA.—An admirable plant with light blue flowers, blotched with very dark blue; shape like gloxinia. 15
<b>AZALEA INDICA.</b> —One of the showiest and prettiest of greenhouse shrubs, flowers are produced in great profusion and are of various colors. Can only be sent by express. Large plants. 1.00	15	VIOLET, Swanley White.—A truly superb variety which originated in Italy. It is the best double pure white variety, bears a profusion of large, snowy sweet-scented blossoms: it is not uncommon for a plant to have as many as 50 flowers open at once. 15
<b>BOUWARDIA.</b> —Valuable for winter blooming.....	15	VERBENA.—One of the most popular of all plants for bedding; we have all varieties, including all the new kinds; doz. 75c..... 10
<b>CACTUS.</b> —We have a great many varieties of these curious plants, Price, 10 to 25c each, or of 10 sorts for \$1.00, postpaid		
<b>CALLA, Ethiopia.</b> —(Lily of the Nile)—Fine house plant: flowers large, creamy white: each 10c; extra large.....	25	
Little Gem.—Miniature form of the calla. Very desirable for house culture.....	25	
Richardia.—(Spotted Calla).....	15	
<b>CLEMATIS, Jackmanii.</b> —Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep, velvety purple, distinctly veined. Strong plants; each 50c; large and extra strong, three years old.....	1.00	
<b>COBOEA SCANDENS.</b> —Large, purple, bell-shaped flowers 15		
<b>CUPHEA, New Tricolor.</b> —Blooms the year around, flowers are rich hued having delicate rose tinted, green tubes, the brilliant red petals winging out the tips, more like a bright, flying creature than a flower.....		
Platycentra.—(Cigar Plant)—A fine basket plant.....	10	
<b>CYCLAMEN.</b> —Fine for winter blooming.....	10	
<b>CYPERUS.</b> —Splendid for the center of vases or aquariums	15	
<b>FARFUGIUM.</b> —Leopard Plant.....	15	
<b>FEVERFEW, Double White.</b> —Per doz., 75c.....	20	
<b>FERNS.</b> —These beautiful plants are much valued for vases, or rock work, or as specimens for parlor.....	10	
<b>GLECOMA.</b> —(Variegated Ground Ivy)—Foliage bright green, marked with pure white, and has a refreshing fragrance similar to mint. Beautiful for hanging baskets. Will be largely used in cemeteries, as it is entirely hardy, graceful and ornamental.....	20	
<b>GAZANIA, Peacock Flower.</b> —Large, showy flowers; color a deep orange, with almost a black center. Is very ornamental.....	10	
<b>GERANIUMS, Scented Varieties.</b> —Nutmeg, Rose, Balm, Peppermint, Mrs. Taylor, Skeleton Leaf and Variegated Rose; each.....	10	
Fancy Leaved—Madam Pollock and Sunset. Beautiful fancy foliaged sorts; each.....	10	
Mt. of Snow, Happy Thought, Crystal Palace Gem, Golden Circle, Cloth of Gold, Mad. Sallerol, Marshall McMahon and Bismarck. All good variegated foliage sorts; each.....	10	
<b>HYDRANGEA, Hortensis.</b> —Well known favorite plant with large heads of flowers; bright pink.....	10	
Thomas Hogg.—Pure white.....	10	
Variegated.—Foliage white and green; flowers pink....	10	
<b>HIBISCUS, Rubra, Fl. Pl.</b> —A splendid double variety, having large, bright red flowers. Blooms freely.....	20	
Grandiflora.—Plant covered with large scarlet crimson flowers.....	15	
<b>HOYA.</b> —(Wax Plant)—The well known house climber, with thick, fleshy leaves and curious waxy flowers....	15	
Variegated.—Mottled green, white and pink.....	25	
<b>HELIOTROPE, Mad. Blonay.</b> —Nearly pure white.....	20	
President Garfield.—Has fine large trusses of deep purple flowers.....	10	
<b>HELIANTHUS, Multiflorus.</b> —(Hardy Double Golden Sunflower)—Flowers of a rich golden yellow. Very double and large.....	10	
<b>IVIES, English.</b> —No vine excels this.....	10	
German.—Grows very fast.....	15	
Variegated English.—Foliage very prettily marked with pure white on a dark green ground.....	10	
<b>LANTANAS.</b> —There are few bedding plants that bloom more continuously or afford a greater variety of color, the colors changing in a curious manner from day to day.....	10	
<b>MAURANDIA.</b> —Graceful climbers for window or conservatories, or for open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely.....	10	
<b>MYOSOTIS.</b> —(Forget-Me-Not)—A charming, constant blooming plant, requiring plenty of water and partially shaded situations	10	
<b>MEXICAN PRIMROSE.</b> —Is a perpetual bloomer, in flower at all times of the year, a good specimen showing always from ten to thirty saucer-shaped blossoms. Many handsome colors.....	10	
<b>MARGUERITE DAISY, Single White.</b> —	10	
Double Golden—Beautiful, either as a pot plant or bedded out. It might be called the "Shower of Gold," as it is a perfect mass of rich, golden yellow flowers the whole year round....	10	
<b>MOON FLOWER.</b> —A handsome climber, growing to a height of twenty-five to forty feet, and covered nightly and on dull days with its white, moon-like flowers 5 to 6 inches in diameter.....	10	
<b>MOUNTAIN PINK.</b> —A fine plant for basket or rockeries. Flowers bright pink, two inches in diameter.....	10	
<b>PALMS.</b> —Fashionable decorative house and window plants: In season for shipping the year round. Mailing size, 25c each: large \$2.00 to \$5.00 each by express.	10	



## HANGING BASKET COLLECTION.

We have selected six of the best, most suitable and easily grown varieties of plants, which, when arranged in a hanging basket will make a beautiful effect and at all times be a most ornamental basket.

**ABUTILON, Eclipse.**—Of trailing habit, with large foliage beautifully marked with deep green and yellow. Flowers bright yellow with crimson throat. Each 15c.

**BEGONIA Rez.**—See description on page 89. Each 25c.

**FUCHSIA, Trailing Queen.**—Of a drooping habit, sometimes extending its branches downward till they almost touch the ground. Flowers borne in clusters. Corolla violet purple, with a distinct yellow center.

**VINCA, Major.**—The leaves are very large, very glossy, and of a glossy green, broadly margined with a creamy white. Flowers handsome, bright blue and very showy. Each 10c.

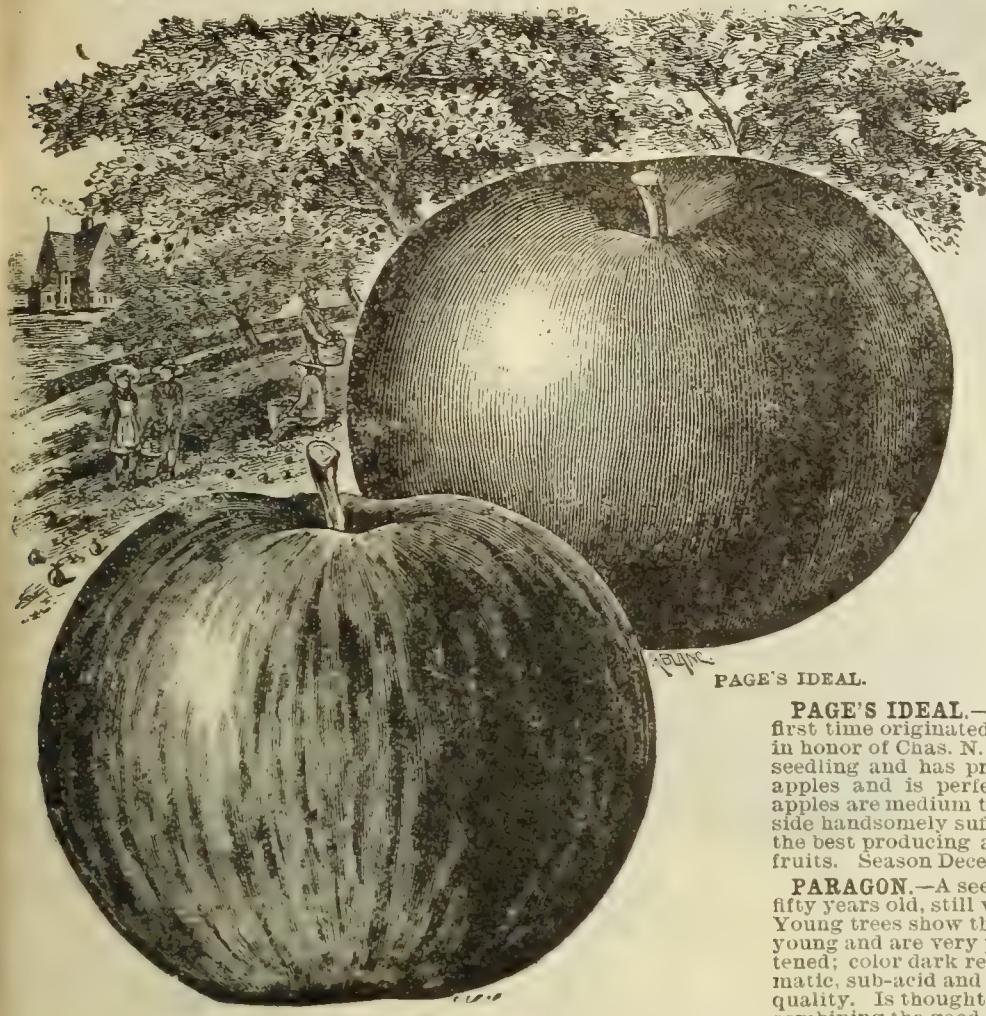
**SWORD FERN.**—One of the most popular sorts. Splendid for pots, vases or hanging baskets, but especially desirable grown in the wire hanging baskets, in which they thrive well and make wonderfully ornamental plants. Each 25c.

**WANDERING JEW, Variegated.**—A popular variety having foliage beautifully variegated with white, pink and green. Each 10c.

THE ENTIRE COLLECTION FOR ONLY 75 CENTS.

# NURSERY DEPARTMENT.

Nothing is more healthful than fruit, and nothing more easily grown. Most of our customers can spare room for a small bed of strawberries, a few rows of raspberries, blackberries, currants or grapes, and what is more delicious than a dish of fresh fruit from your own garden, instead of depending upon fruit which has stood in the hot sun all day in a market stall. There is really no comparison in flavor.



PAGE'S IDEAL.

## APPLES.

We grow over one hundred sorts, yet are not always able to supply all kinds called for. But if selections are partly left to us we can always fill the place of any sort we may be out of with others equally as good and ripening at the same season; the same is true of other fruits. Below we give a partial list of our best known varieties, of which we have a large stock.

### SUMMER SORTS.

**YELLOW TRANSPARENT.**—The earliest and best; skin clear white, changing to pale yellow when fully ripe; flesh white, tender, juicy, sprightly, sub-acid; good early bearer.

**RED ASTRACHAN.**—Medium size, beautiful deep crimson, striped yellow, hardy and good quality.

**DUCHESS.**—Of good size, yellow, streaked with red, juicy, rich sub-acid, a favorite everywhere.

**COLE'S QUINCE.**—Large size, greenish yellow, very best quality. Bears well when quite young.

**BENONI.**—Medium size, deep red color, rich flavor.

### AUTUMN SORTS.

**WEALTHY.**—A perfect iron-clad. Fruit of large size, of fine appearance and quality, rich, sub-acid and delicious. An early and profuse bearer and quick seller on the market; keeps well.

**LONGFIELD.**—One of the best of the Russian varieties, an early and abundant bearer and the fruit is of most excellent, rich, sprightly sub-acid quality, from October to February. Medium size, yellow with a decided blush on one side.

**SNOW OR FAMEUSE.**—Very popular, medium size, fine quality.

**UTTER'S RED.**—Medium to large, and one of our best autumn sorts.

**HAAS OR GROS POMIER** (meaning big apple).—A large handsome, red striped fall apple, juicy and very productive. Hardy.

### WINTER SORTS.

**RAWLE'S JANET** (Jennetin).—Medium size, greenish yellow, striped with red, rich, crisp and juicy; a long keeper.

**WALBRIDGE.**—Medium size, very good quality; one of our hardest and best keeping sorts. Handsomely striped red.

**WILLOW TWIG.**—Medium to large, good quality; popular.

**SHERIFF.**—A small round apple of good quality; very hardy.

**GRIMES' GOLDEN.**—Medium to large, golden yellow and flesh a still deeper golden, sub-acid, rich, spicy, aromatic; one of our very best and most profitable market sorts; there is nothing superior in quality.

**ROMAN STEM.**—Medium size, brown russetted, very good quality; desirable for home use.

**TALMAN SWEET.**—Medium size, yellow and red, rich and sweet.

It is wonderful the amount of fruit which can be grown in a space thirty or forty feet square, and it costs but little for plants sufficient to fill it. And then you certainly have room enough for a few fruit trees. It takes no more room or trouble to grow an apple or cherry tree than it does a shade tree and you will have both shade and fruit.

Our stock of all kinds has made a very fair growth the past season, and is in splendid condition, thoroughly acclimated, hardy, strong, well grown, properly labeled, and all will be pleased who order from us. All stock is carefully packed and shipped by express or freight at expense of purchaser unless stated by mail—but the present special rates of express and freight charges are very low. Don't buy of tree peddlers, but send your order to us and be sure of getting what you want.

**TIME OF SHIPMENT.**—For south of Iowa line we begin shipments March 20th; for Iowa and other states of the same latitude, about April 10th. For north, about April 20th. Send your order early so that we can select stock for you and have no delay.

**DISCOUNTS.**—On orders amounting to \$5.00 or over you may select stock to the amount of 10 per cent extra. Five of any sort at the ten rate, six at the dozen rate, and fifty at the hundred rate. If you want a large amount, send us your list and we will make special prices wherever possible.

**NOTICE.**—Orders for nursery stock are always shipped direct from the nursery and they must amount to at least 50 cents.

**PAGE'S IDEAL.**—This grand new variety which we now offer for the first time originated in Central Iowa and was named by the introducer in honor of Chas. N. Page, the manager of the Iowa Seed Co. It is a seedling and has proved to be an immense bearer of choice winter apples and is perfectly hardy in southern and central Iowa. The apples are medium to large in size, of a greenish yellow color with one side handsomely suffused or blushed with red. In quality it is one of the best producing an abundant crop of fine shaped choice specimen fruits. Season December to March. Each 50c; doz. \$4.00.

**PARAGON.**—A seedling from Tennessee. The original tree is over fifty years old, still vigorous and bearing, though mutilated by storms. Young trees show the same remarkable vigor of growth, bearing very young and are very productive. Fruit large, roundish, somewhat flattened; color dark red, slightly streaked; flesh firm, yellow, crisp, aromatic, sub-acid and juicy. A very late keeper, rich and of excellent quality. Is thought to be a cross between Wine-sap and Limber-twigs, combining the good qualities of each. The large size and showy appearance of this apple attracted much admiration at the World's Fair. Each 50c, doz. \$4.00.

**PEWAUKEE.**—Medium size, bright yellow, splashed and striped red, sub-acid, with rich, aromatic flavor.

**IOWA BLUSH.**—Hardy and desirable for the north; small and good quality.

**WOLF RIVER.**—The famous prize apple from Wisconsin which took three first prizes at the New Orleans Exposition. Very hardy, a strong grower and a profuse bearer of large, beautiful fruit of excellent quality. Color light yellow, shaded with crimson and red; very showy. Has been grown to the weight of twenty-seven ounces.

**JONATHAN.**—Popular everywhere; medium size, handsome, deep red color; juicy, rich, and always brings an extra price; trees scarce this year.

**BEN DAVIS.**—Large striped apple; handsome and bears well.

**MCMAHON.**—Large, beautiful, glossy white, with delicate crimson cheek, juicy, lively, tart flavor; good for cooking or dessert.

**FLORA BELLFLOWER.**—Fine, large, yellow fruit of good quality.

**PRICE'S SWEET.**—A large, late keeping greenish yellow apple of flat shape; tree very hardy, claimed by many to be of superior quality to Tallman Sweet.

**CHISMAN.**—An Iowa apple which has been fruited for twelve years and proved perfectly hardy; large size, color yellow with a blush cheek; an early bearer, very productive; long keeper, tender, juicy, sub-acid and delicious; in use all winter.

**PRICES.**—For any of the above, except Page's Ideal and Paragon, 4 to 6 feet, each, 20c; doz. \$2.00.

## RUSSIAN APPLES.

May be relied on as strictly genuine, as the stock was procured directly from the Iowa Agricultural College. We will make our patrons, who wish it, a selection of different sorts at the same price.

**Titus.** Autonovka, Borsdorf, Grandmother, Bohemian Girl, Switzer, Longfield, Good Pleasant, and twenty-five other varieties; 4 to 6 feet, each 30c; doz. \$2.25.

## CRAB APPLES.

**HYSLOP.**—Large, deep crimson; one of the most beautiful of crabs; very popular; keeps well. **RED SIBERIAN.**—Small, yellow and scarlet, handsome, tree erect, full grower and early bearer. **TRANS-CENDENT.**—Large, yellow, mostly covered with red; tree very vigorous and productive; popular and desirable; September and October.

**WHITNEY'S NO. 20.**—One of the largest of crabs, glossy, green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. **SOULARD.**—A very large native crab; originally found on the Illinois river; any of above, 4 to 6 feet, each 25c; doz. \$2.25.

# THE ABUNDANCE PLUM



## PEACHES.

The following varieties of peaches are all hardy, and succeed well as far north as central Iowa, and there is a growing demand for them.

**CROSBY.**—A handsome new variety of medium size, rich orange yellow with blush; freestone, plt small, flesh yellow, juicy and sweet. Tree low, spreading; willowy habit of growth; perfectly hardy in a peach country. Each 50c, doz. \$5.00.

**TONG PA.**—A large freestone Chinese white peach. Perfectly hardy

**ELBERTA.**—Large size, beautiful color, yellow and red, delicious quality, a vigorous grower, one of the most productive on all soils: a good shipper.

**BOKARA NO. 3.**—The most hardy of all varieties. Has stood 25° below zero near Des Moines and borne a crop every year. Fruit grown on our place was shown at World's Fair, and measured seven inches in circumference, and were in good condition after having been picked for a month. It is a freestone variety, flesh of good quality, skin tough yellow, with red cheek. Each 50c, doz. \$5.

**CHAMPION.**—Hardy, and should head every list for Iowa growers. Large size, handsome, luscious fruit; skin creamy white with red cheek. Originated at Nakomis, Ill.

**PRICE,** except where noted, 3 to 5 feet, each 30c, doz. \$3.00.



CROSBY PEACH.

white with red cheek. Originated at Nakomis, Ill.

**PRICE,** except where noted, 3 to 5 feet, each 30c, doz. \$3.00.

## CHERRIES.

**THE WRAGG.**—Sturdy grower and immense bearer of large, handsome, dark colored fruit. The original trees of the Wragg cherry are still growing in Dallas county, Iowa, and are thirty years old, still bearing fair crops of fruit. It is undoubtedly the most productive cherry introduced for Minnesota, Wisconsin and the northwest. It is a large, dark colored fruit and should not be picked until fully ripe. By covering our trees with netting to protect from birds, we have had fresh fruit on till the first week in September for the past three years. It is highly recommended by the State Horticultural Society. Four to six feet, each 50c, doz. \$5.00.

**EARLY RICHMOND.**—The best early, medium size, dark red, juicy and sprightly acid.

**ENGLISH MORELLO.**—Blackish red, rich, acid, quite productive.

**MONTMORENCY.**—Large, bright red, acid.

**DYE HOUSE.**—Medium, rich, juicy and of good quality when fully ripe; very productive; little earlier than Richmond; hardy.

**PRICES.**—Above 4 varieties, strong trees, 4 to 6 ft., each 40c, doz. \$4.00

**RUSSIAN CHERRIES.**—From the long list of Russian cherries we have only selected those that were best adapted to our soil and climate. The following list we recommend are those that we have thoroughly tested: Russian Ostheim Lutovka, Orel 24, Bessarabian, Bruseler, Braune, Griote De Nord, 4 to 5 feet, each 60c, doz. \$5.00.

## PLUMS.

Iowa is the home of the best plums for the northwest. The varieties we offer have been thoroughly tested, and we only grow those that experience has shown us to be the best.

**ABUNDANCE.**—This is unlike any other plum. It is exceedingly hardy. Its propensity for early bearing is such that it loads in the nursery row, bending the limb with the weight of the great ropes of fruit until they sometimes break, and this is the case every year. Many who have grown it claim that the curculio has no effect upon it, the eggs failing to hatch and produce the destructive grub. Sometimes even little one-year-old saplings, only two feet high, are white with bloom and set heavily with large fine plums. The fruit is large, showy and beautiful. Amber, turning to a rich, bright cherry color, with a decided white bloom. Flesh light yellow, exceedingly juicy and tender, and of a delicious sweetness. Each 50c, doz. \$5.00.

**STODDART.**—The largest and finest native plum known. Although a new variety, it has been tested in northeastern Iowa for about ten years, and for large size, hardness of tree, good quality and abundant bearing, we think it has no competitor. Many specimens measure 6½ inches and upward. It is the most profitable native plum known. Each 75c.

**DE SOTO.**—Medium size, good quality, has proved profitable wherever planted.

**WOLF.**—Large, dark red, good quality. Extra fine for cooking and canning by reason of its being a freestone. It is a vigorous grower, entirely hardy, and an abundant annual bearer.

**HAWKEYE.**—Very large, dark red, hand-size, very productive.

**WEAVER.**—An old, well known and favorite sort.

**WYANT.**—This fine new native plum is considered by Prof. Budd as one of the best.

**FOREST GARDEN.**—Large, of good quality, and the best very early variety.

**ROLLINGSTONE.**—Not so large as some, but of the very highest quality, and covered with such a deep bloom that it looks to be a "blue" plum.

Any of the above, except Abundance and Stoddart, 4 to 6 feet, each 40c, doz. \$4.00

## PEARS.

Pears can be grown in Iowa. We know of some in this city which were set out simply as shade trees, and now they produce good crops of fruit. Many of the varieties, however, grown in the east are not hardy enough for this climate.

**KOONCE.**—Medium to large; yellow with blush, very hand-size, juicy and of delicious quality. Tree vigorous, good grower and productive.

**BESSEMIRANKA.**—Famous seedless pear of Russia. Medium size, russeted, very sweet, tender, juicy, delicious. Hardy.

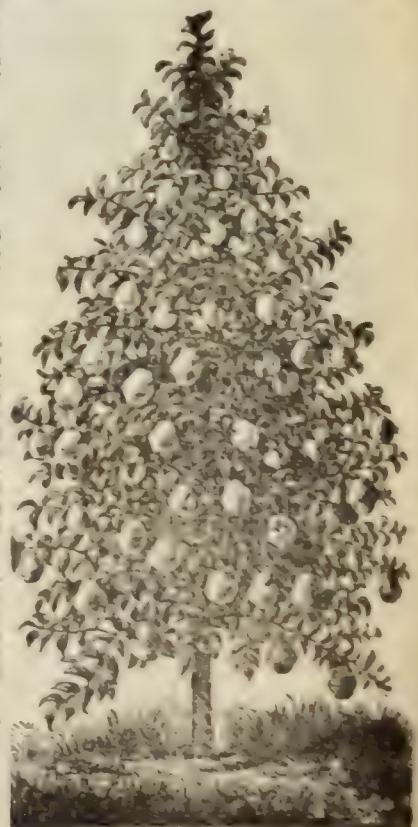
**KIEFFER'S HYBRID.**—It is a fair dessert fruit and one of the very best for canning and preserving. It is large size and has the appearance of a Winesap. It is well suited to canning. It is a very early grower, and is said to be the earliest pear in the state. It is a good keeper.

**IDAHO.**—Large and very sweet; skin small, skin green, with a very rusty russet. A medium-sized pear, very juicy. Season, September and October.

**FLEMISH BEAUTY.**—Large, juicy, rich flavored. Season September and October.

**BARTLETT.**—Very popular, large, clear yellow; rich, juicy, high flavored, great bearer.

Any of the above, 3 to 5 feet, each 40c, doz. \$4.00.



1 BUSHEL FROM A 4 YEARS OLD KIEFFER PEAR TREE.



### BUFFALO BERRY.

A novelty from Wyoming. It is a tree-like shrub attaining a height of ten feet when well grown, of symmetrical, bushy habit, and would form a striking ornament on any lawn. The fruit resembles in size, form and color the cultivated red currant, but the bunches are more compact and the fruit remains on the bush all winter, and the freezing really improves the flavor. Excellent for pies, jellies and preserves, or dried. Very hardy. Strong plants, each 25c.

### RUSSIAN MULBERRY.

A valuable tree of vigorous growth and hardiness. Quite desirable for windbreaks and for feeding silk worms. Fruit of medium size, pleasant and palatable. 2 to 3 ft., each 15c; 10 for \$1.00. 3 to 4 ft., each 20c; 10 for \$1.50.

### DWARF ROCKY MOUNTAIN CHERRY.

This new fruit was discovered growing in the mountains of Larimer county Colorado, and promises to be a valuable addition to our cultivated fruits, as it has now been grown in the nursery several years. Our illustration was made from a photograph of a branch and shows its great productiveness. It begins bearing very young, and sixteen quarts have been picked from a three-year-old plant. The fruit is jet black when ripe, and averages somewhat larger in size than the English Morello cherry, and it is late in ripening. In flavor it resembles the sweet cherries. It is dwarf, growing to a height of about four feet, and when covered with its mass of white flowers it would grace any lawn. Large size, each 50c; small size, by mail, each 30c.

### GOOSEBERRIES.

One of the most popular fruits in England, and is now beginning to receive more attention here. Plant three or four feet apart each way, manure well and remove old canes after fruit is gathered. Does well if grown in partial shade. Should have rich soil. If by mail add 15 cents per 10.

**INDUSTRY.**—The best English sort yet introduced in this country. Berries are very large, one to one and one-half inches in diameter, of most excellent flavor, both pleasant and rich. Color dark red when fully ripe. Under favorable conditions it bears immense crops. A northern exposure and partial shade are desirable for it. Each 35c, 10 for \$3.00.

**DOWNING.**—Best of the American sorts. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, hardy, vigorous and very prolific. Strong two year plants. Each 15c, 10 for \$1.25.

**HOUGHTON.**—Fruit of medium size; skin smooth; pale red; flesh tender and good. Each 10c, 10 for 75c.

### DEWBERRIES.

Larger, sweeter, and by some considered superior to the blackberries. If by mail, add 15c per 10, 60c per 100.

**LUCRETIA.**—Decidedly the best of all the dewberries. It is a superb fruit, large, handsome, shining jet black, melting and delicious quality. Earlier than the blackberries. Each 15c, 10 for \$1.00.

### CURRANTS.

One of the most prominent horticulturists in the country recently informed us that he made more money from his crop of currants than from any other source. They are a most profitable crop if well cared for, for the market is never overstocked. Our plants are fine and large. If by mail, add 10c per 10; 50c per 100.

**NORTH STAR.**—This new seedling currant is very vigorous, perfectly hardy, and seldom affected by the borer. The bunches are long and well filled with fruit, and borne in the greatest profusion, as shown in our illustration which is, of course, greatly reduced in size, as the berries are about half an inch in diameter. The fruit is of superior quality, very sweet and rich, desirable for market, and as a dessert or for jelly it is unsurpassed. The most rapid grower and prolific sort we know of. Each 25c, 10 for \$2.00.

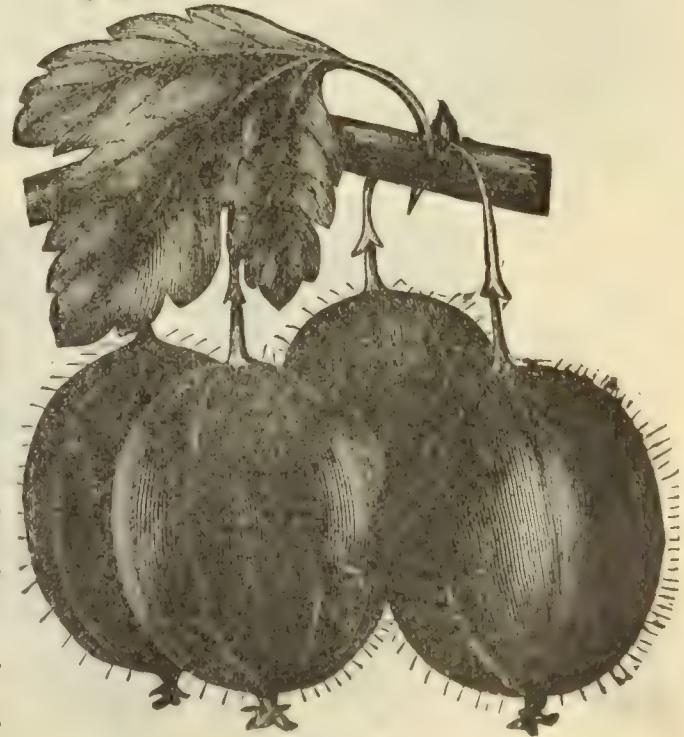
**FAYS PROLIFIC.**—Has been widely planted and given general satisfaction. It is a strong grower, wonderfully prolific and bears early. Fruit large, bright red and of good flavor and very uniform in size. It is the berry for market or home gardens and you cannot afford to omit it from your list. Each 20c, 10 for \$1.50.

**CRANDALL.**—A new black currant, and by many considered one of the most valuable novelties of recent introduction. Grows six to eight feet high, in a tree form; is perfectly and absolutely proof against currant worms and insects. Enormously productive and generally produces fruit same season planted. Fruit sometimes as large as the Concord grape. Excellent flavor. Try it. Each 25c, 10 for \$2.00.

**WHITE GRAPE.**—Largest, best white sort; very handsome, sweet, and productive. **CHERRY.**—Is sometimes one-half inch in diameter. Is productive if on good soil. **RED DUTCH.**—An excellent and well known old sort. **WHITE DUTCH.**—Same, except color. Each 15c, 10 for 80c.

### Japanese Wineberry.

One of the most widely advertised fruits and very popular in some parts of the country. Resembles the raspberry. Fruit round, deep red, glossy and handsome. Of luscious flavor, and makes a rich wine. Vine hardy and productive. Each 25c, 10 for \$1.75.



INDUSTRY GOOSEBERRY.



MOORE'S DIAMOND.

**COTTAGE.**—This is the grape of all others for those who only have space for a few vines and grow them for their own use. It will be found to adapt itself to a very wide range of soils, from deep, black loam to clay, and is a strong, vigorous grower everywhere. It is perfectly hardy, and is undoubtedly the best grape for arbors or covering verandas in the whole list. The foliage is of a bright, pleasing green, while the underside of leaf is a beautiful golden yellow. The bunch is medium to large, berry larger than Concord and ripens earlier. Very productive, juicy, tender and delicious. It is a long keeper. The berries seldom burst open. Can be kept until Christmas in good condition. Each 15c, doz. \$1.50.

**AGAWAM.**—A fine, large, red berry, and cluster of good size. Quality excellent, decidedly aromatic flavor, very vigorous grower and productive. We consider the Agawam superior in flavor to any other variety that we grow. Each 15c, doz. 1.50.

**GOLDEN POCKLINGTON.**—The vine is thoroughly hardy; strong grower, never mildews in vine or foliage. Called a white grape, but the fruit is a light golden yellow, clear, juicy and sweet to the center, with little or no pulp; bunches very large, sometimes shouldered. Each 15c, doz. \$1.50.

## RASPBERRIES.

Any good corn ground is suitable for them, and they like it rich. Set in rows five feet apart, and three feet apart in row. If by mail, add 10c per doz., 50c per hundred.

**REDFIELD.**—See description of this splendid variety with new cities. Each 15c, doz. \$1.00.

**KANSAS.**—Ripens just after Souhegan; berries as large or larger than the Gregg, jet black, firm, handsome and of the best quality. Very vigorous growth, which continues through the season; holds its foliage until frost, stands drouth and cold; exceedingly productive. Fruit firm, carries well to and presents a handsome appearance in market. Each 15c, doz. \$1.25.

**SOUHEGAN OR TYLER.**—Large, black, without bloom and of medium quality. Plant very hardy and a great bearer, ripens a little before Ohio. Each 10c, doz. \$1.00.

**OLDER.**—This new variety bids fair to become one of our leading berries; fruit large, black, firm; a strong grower. Each 15c, doz. \$1.10.

**SHAFFER'S COLOSSAL.**—A cross between the red and black raspberry. Popular and immensely productive and vigorous. Berries largest of all. More extensively grown for canning establishments than any other variety, growers being able to sell far below the price of the red varieties and reap a handsome profit. One grower reports having picked 6,839 quarts from less than one acre and a half. Each 10c, doz. 75c.



SHAFFER'S COLOSSAL RASPBERRY.

## GRAPES.

There is scarcely a yard so small, either in the country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up by the side of any building, or along the garden fences occupying but little room, and furnishing an abundance of the healthiest fruits. They are a most satisfactory fruit and can be as easily grown as potatoes. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. All kinds listed are perfectly hardy, but the Agawam should have some winter protection. If to be mailed, add 20 cents per dozen.

**MOORE'S DIAMOND.**—A vigorous grower, with dark healthy foliage, entirely free from mildew. A prolific bearer; bunches large, handsome and compact, slightly shouldered; color delicate, greenish-white, with rich, yellow tinge when fully ripe. Skin smooth and free from specks; pulp tender, juicy, and nearly transparent, with very few seeds. Berry about the size of Concord. Quality best; rich, brightly and sweet. Ripens about two weeks before Concord. Each 20c, doz. \$2.00.

**MOORE'S EARLY.**—A most profitable black variety. Vine is even more hardy than its parent, Concord, while it ripens fully two weeks earlier, thus obtaining the advantage of larger prie ruling at the time, and being more sure to ripen its entire crop in a short season. Fruit is well shown in our illustration, the berry being much larger than Concord, and quality almost identical. Claimed by some to be exempt from mildew or disease. Each 20c, doz. \$2.00.

**WORDEN.**—In brief, an improved Concord, both bunch and berry being larger, handsomer, earlier and better quality. Our stock is true. Strong two-year roots. Each 15c, doz. \$1.25.

**CONCORD.**—So popular that it needs no description. Either one or two-year-old vines. Each 10c, doz. \$1.00.

**BRIGHTON.**—A cross between Concord and Diana Hamburg. Resembles Catawba in color, size and form of bunch and berry. Flesh rich, sweet and of the best quality. Ripens earlier than Delaware. Vine vigorous and very hardy. This variety has now been thoroughly tested, and it may now be truly said to be without an equal among early red grapes. Each 20c, doz. \$1.75.

**NIAGARA.**—Bunch medium to large; berry large; skin thin and tough; slightly pulpy, tender, sweet. Vine vigorous, healthy and very productive. All things considered, probably the most valuable white grape in cultivation. Each 15c, doz. \$1.50.

**GRAPE COLLECTION.** One vine each of the above nine unexcelled varieties (four black, two red, two white and one golden sort), making a splendid assortment for any private family, for only \$1.25, or \$1.40 postpaid.



MOORE'S EARLY.



GOLDEN QUEEN RASPBERRY.

**OHIO.**—Early, hardy and productive; black. Each 10c, doz. 75c.

**CUTHBERT.**—Dark crimson. Each 10c, doz. 75c.

**Gregg.**—Popular, late black sort. Each 10c, doz. 75c.

**NEW GOLDEN QUEEN.**—Beautiful, clear amber color, firm and of delicious flavor. Of very vigorous, strong growth, hardy and in productiveness simply marvelous. No home garden is complete without it. Each 15c, doz. \$1.00.

**COLUMBIAN (New).**—A seedling of the Cuthbert. Originated in New York. In color and fruit it closely resembles the Shaffer. Is moderately firm, nearly sweet. Little later than Shaffer, with longer season. Plants so far as tested, make a strong, vigorous growth. We consider this worthy of a more extended trial. Each 40c, doz. \$1.50.

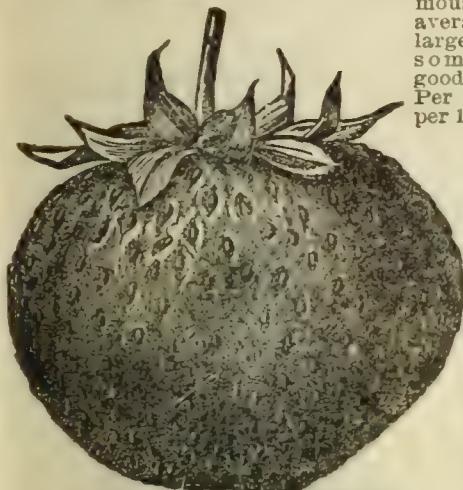
**RASPBERRY COLLECTION.** One plant each of the above ten varieties, making an unequalled assortment, for only \$1.25.

## STRAWBERRIES.

The first maturing, most beautiful, delicious, wholesome and appetizing of fruits is the strawberry, and no matter how small the garden you cannot afford to do without a small bed of them. Plant in March, April, May, September or October, in rows three feet apart and fifteen inches in the row for field culture, or fifteen inches apart each way for garden, leaving a path every third row. Those marked (p.) have imperfect flowers, and a few plants of some perfect-flowering variety must be planted near them to fertilize them. Ask for special prices by the thousand. If desired by mail, add twenty-five cents per hundred for postage.



WARFIELD.



BUBACH.



OHMER BLACKBERRY.

These we make a specialty of, and all are strong and sure to grow with ordinary care. We will be glad to figure with you if you want a large number for hedge or windbreak.

**SIBERIAN ARBOR VITÆ.**—Hardy, conical form, compact and symmetrical; foliage dense and of a very peculiar dark green color. An ornamental and useful variety. 12 to 18 inches. Each 25c.

**AMERICAN ARBOR VITÆ.**—8 to 12 inches, per doz. 75c; 12 to 18 inches, each 15c, per doz. \$1.00; 2½ to 3 feet, each 35c.

**PYRAMIDALIS ARBOR VITÆ.**—2 to 3 feet, each 75c.

**SCOTCH PINE.**—8 to 12 inches, per doz. \$1.00; 12 to 18 inches, per doz. \$1.25.

**WHITE PINE.**—8 to 12 inches, per doz. \$1.00; 12 to 18 inches, per doz. \$1.25.

**SAVIN.**—18 to 24 inches, each 30c.

**BALSAM FIR.**—12 to 18 inches, each 15c; per doz. \$1.25; 18 to 24 inches, each 25c, per doz. \$2.00.

**JUNIPER.**—8 to 12 inches, per doz. 75c.

**GLOBE ARBOR VITÆ.**—12 to 15 inches, each 35c.

**HEMLOCK.**—18 to 24 inches, each 35c, per doz. \$2.50.

**TRAILING YEW.**—12 to 18 inches, each 25c.

**NORWAY SPRUCE.**—A lofty and one of the best evergreens for hedges and windbreak. 8 to 12 inches, per doz. 75c; 12 to 18 inches, per doz. \$1.00; 24 to 36 inches, per doz. \$2.00.

**WHITE SPRUCE.**—12 to 18 inches, per doz. \$1.50; 18 to 24 inches, per doz. \$2.00; 24 to 36 inches, per doz. \$3.00.

A great variety of other evergreens at low prices. Ask for list.

**WARFIELD (p.)**—Is taking the lead for market variety. A vigorous grower, tough and hardy, and astonishingly productive. Fruit is large, dark, glossy red, and it holds its color and form a long time after being picked. It has an agreeable, sprightly flavor, and it ripens early. Per doz. 35c, per 100, \$1.25.

**BUBACH. (p.)**—A most wonderful berry in vigor of plant and yield of fruit, even under careless culture. The fruit is, in many instances, enormous, and the average is very large and handsome. Early, good flavored. Per doz. 35c, per 100, \$1.25.



PARKER EARLE.

**GREENVILLE. (p.)**—Is a strong competitor of the Bubach. The plants make a stronger growth and are quite as productive. The berries average a little smaller than Bubach, but are more uniform in size, regular in outline, finer texture and better shippers. Per doz. 40c, per 100, \$1.25.

**TIMBRELL. (p.)**—Pronounced by many the "gem of strawberries." It is a new variety, of large, average size, excellent flavor, very productive and healthy. Almost entitled to the name "Frostproof." Per doz. 50c, per 100, \$1.25.

**HAVERLAND.**—Ripens early and continues to fruit throughout the season. Large, uniform bright red. Per doz. 35c, per 100, \$1.25.

**JESSIE.**—Is especially desirable on new timber soil, and grows to such an immense size that seven will fill an ordinary quart box. One of the best fertilizers for the imperfect flowered sorts. Per doz. 35c, per 100, \$1.25.

**CRESCENT SEEDLING. (p.)**—Has for years been the standard market sort. Per doz. 30c, per 100, \$1.00.

**SHUCKLESS.**—A new variety creating much attention in some localities, although it was not a success on our place this year. Per doz. 40c, per 100, \$1.50.

**BEDERWOOD.**—A valuable early sort of quite recent introduction, but has proved a vigorous grower and very productive. Quality excellent. Per doz. 35c, per 100, \$1.25.

**PARKER EARLE**—The best variety for family use in the whole list, as it is a perfect-flowered sort and bears immensely. The plant is robust, free from disease, stooling heavily. Berry regular uniformly large, conical, with a neck glossy scarlet crimson, no hollow core, quality excellent. The fruit is borne in the greatest profusion, the rate of fifteen thousand quarts to the acre having been gathered. Its season is medium to very late. Strong plants. Per doz. 40c, per 100, \$1.50.



GREENVILLE.



BEDERWOOD.

## BLACKBERRIES.

This is the king of small fruits, perfectly hardy. Plant in rows six or seven feet apart, three to five feet in the row. If by mail add 10c per doz., 50c per 100.

**OHMER.**—A new variety, from the same source as the Gregg raspberry, the success of which should be a guarantee of the worth of any other introduction of its disseminator. He describes it as a very strong grower, productive and hardy; berries very large, firm, and of sweet, fine flavor. We strongly recommend it for trial. Ripens late. Each 15c, doz. \$1.00.

**ERIE.**—Many claim this to be the best of all kinds, and on some soils the canes are of iron-clad hardness and of the strongest growth, quite free from rust and other diseases, and wonderfully productive, bending the robust canes to the ground with the weight of fruit. This berry is of the very largest size, excellent quality, handsome and firm. Shape is well shown by our illustration. It is the berry for both market and home. Each 15c, doz. \$1.25.

**SNYDER.**—More grown than any other in this latitude because of its extreme hardiness. Medium size. Each 10c, doz. 75c.

**STONE'S HARDY.**—Upright, vigorous grower. Berries are a glossy black and of a delicious flavor. Later than Snyder. Each 15c, doz. \$1.00.

OHMER BLACKBERRY.

## EVERGREENS.

These we make a specialty of, and all are strong and sure to grow with ordinary care. We will be glad to figure with you if you want a large number for hedge or windbreak.

**SIBERIAN ARBOR VITÆ.**—Hardy, conical form, compact and symmetrical; foliage dense and of a very peculiar dark green color. An ornamental and useful variety. 12 to 18 inches. Each 25c.

**AMERICAN ARBOR VITÆ.**—8 to 12 inches, per doz. 75c; 12 to 18 inches, each 15c, per doz. \$1.00; 2½ to 3 feet, each 35c.

**PYRAMIDALIS ARBOR VITÆ.**—2 to 3 feet, each 75c.

**SCOTCH PINE.**—8 to 12 inches, per doz. \$1.00; 12 to 18 inches, per doz. \$1.25.

**WHITE PINE.**—8 to 12 inches, per doz. \$1.00; 12 to 18 inches, per doz. \$1.25.

**SAVIN.**—18 to 24 inches, each 30c.

**BALSAM FIR.**—12 to 18 inches, each 15c; per doz. \$1.25; 18 to 24 inches, each 25c, per doz. \$2.00.

**JUNIPER.**—8 to 12 inches, per doz. 75c.

**GLOBE ARBOR VITÆ.**—12 to 15 inches, each 35c.

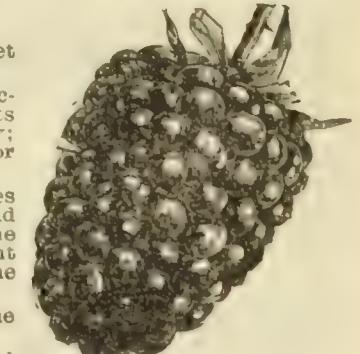
**HEMLOCK.**—18 to 24 inches, each 35c, per doz. \$2.50.

**TRAILING YEW.**—12 to 18 inches, each 25c.

**NORWAY SPRUCE.**—A lofty and one of the best evergreens for hedges and windbreak. 8 to 12 inches, per doz. 75c; 12 to 18 inches, per doz. \$1.00; 24 to 36 inches, per doz. \$2.00.

**WHITE SPRUCE.**—12 to 18 inches, per doz. \$1.50; 18 to 24 inches, per doz. \$2.00; 24 to 36 inches, per doz. \$3.00.

A great variety of other evergreens at low prices. Ask for list.



ERIE BLACKBERRY.

## Ornamental Trees

**CATALPA SPECIOSA.**—Four to six feet. Each 25c, per doz. \$2.00.

**MOUNTAIN ASH.**—Six to eight feet. Each 50c, per doz. \$4.00.

**CUT-LEAVED WEEPING BIRCH.**—Four to six feet. Each 75c.

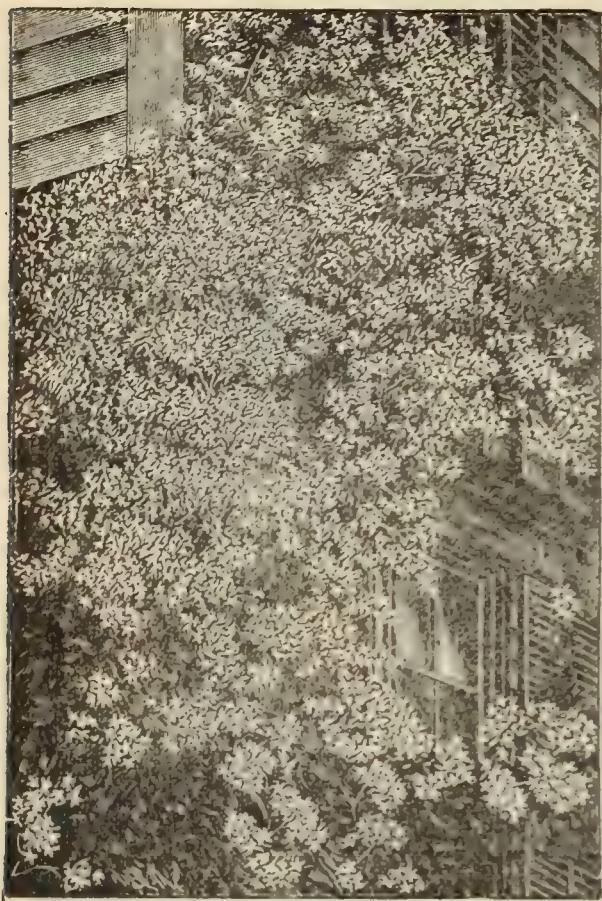
**SCOTCH ALDER.**—Seven to eight feet. Each 40c.

## Quinces.

One of the most profitable and attractive market fruits. Does not take kindly to our Iowa soil and climate, and yet in places where the right conditions are met with, it has succeeded fairly well, and is worth a trial. It wants mellow, well enriched soil and plenty of moisture. We offer only the Orange quince, considering it the best. Each 50c, per doz. \$4.00.



WHITE SPRUCE.



VIRGIN'S BOWER.

magnificent hardy climbers. Don't fail to get one. Fine, large, three-year-old plants, each \$1.00.

## ORNAMENTAL VINES AND CREEPERS.

Don't omit to ask for a few vines with your order. Smaller plants of any of the following (except Clematis Jack) 25 cents each, by mail, postpaid.

**VIRGIN'S BOWER.**—A very handsome variety of the Clematis, growing to a height of 20 feet and making a nice shade for porches, arbors, etc. The first season the plant grows 10 to 12 feet and it is literally covered with thousands of pure white flowers, which are delightfully fragrant, and it blooms continually from July to September. The foliage is dense, trifoliate pointed leaves. The beauty of the flowers is equaled, if not excelled, by the clusters of silvery white seed balls, which are covered, apparently, with white silk hair and will keep nicely for decorations. The vine is perfectly hardy, rapid growing and graceful, and will succeed everywhere. It is free from insect enemies, and we know of no vine which will give more universal satisfaction. Each 25c, 5 for \$1.00, postpaid.

**TRUMPET FLOWER.**—Of rapid growth, with large, showy, trumpet-shaped, scarlet flowers and pretty foliage. Each 30c.

**AMPELOPSIS-VEITCHII** (Boston Ivy).—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. Each 35c.

**CHINESE WISTARIA.**—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet, and when covered with bloom is truly magnificent. Color blue. Each 20c.

**VIRGINIA CREEPER OR AMERICAN IVY.**—Each 25c.

**HONEYSUCKLE—Red Coral or Scarlet Trumpet.**—A strong, rapid grower, with an abundance of bright scarlet flowers. This is probably the most beautiful honeysuckle in cultivation, and blooms almost without ceasing. Each 30c.

**Yellow Trumpet.**—Like above, only yellow. Each 30c.

**Monthly Fragrant.**—Showy flowers of most delightful fragrance. Each 30c.

**CLEMATIS—Jackmannii.**—Flowers large and in such masses as to form a cloud of bloom of intense violet-purple, having the appearance of velvet, and remarkably rich. Large, fine, three-year-old plants, only \$1.00.

**Baron Villard** (or **Jackmanni Rosea**).—Something new. A strong, healthy, vigorous grower and a free bloomer of purple roses, with a strong perfume, very fine. This is one of the most beautiful of the whole clematis family, and sure to please every lover of these magni-



BARON VILLARD CLEMATIS.



DEUTZIA

## HARDY FLOWERING SHRUBS.

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. The following varieties are all hardy. Prices are for large, strong plants to be sent by express or freight at expense of purchaser; but, if desired, we can furnish smaller plants of any of them at 25 cents each, postpaid.

**DEUTZIA.**—A very desirable shrub of strong, hardy growth, bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these choice shrubs in their yard. Strong plants. Each 25c.

**EXOCHORDIA GRANDIFLORA.**—Bears a great profusion of beautiful, pure white flowers, and the buds, before opening, greatly resemble clusters of rarely fine pearls. Each 30c.

**JAPAN QUINCE.**—A popular, beautiful and valuable shrub, which very early in the spring is covered profusely with large red blossoms and beautiful glossy leaves, making a dazzling sight. Fine for hedges. Each 30c.

**SNOWBALL.**—A well known and popular shrub which grows to a large size, covered with dense spherical clusters of white flowers which gives it its name. 1

**LILAC—Purple.**—A well known, strong growing shrub, bearing large, fragrant clusters of flowers early in spring. Each 30c.

**White.**—Like above, but has white flowers which make it more desirable to some. Each 20c.

**TREE HONEYSUCKLE.**—Very beautiful shrub loaded with pink flowers early in spring. Each 40c.

**HARDY ROSES.**—Large nursery-grown, quick-blooming plants. We have such as Prairie Queen, Baltimore Belle, General Washington, etc. Each 35c, 3 for \$1.00.

**HYDRANGEA—Paniculata Grandiflora.**—Large plants. Each 3c.

**SPIREA.**—A most charming and beautiful shrub. Assorted varieties. Each 25c, doz. \$2.50.

**SYRINGA OR MOCK ORANGE.**—Each 30c.

## OSAGE HEDGE PLANTS.

A hedge is better in many ways than a wire fence. 1,000 plants will make 31 rods of hedge when set six inches apart. By express or freight, per 100, 50c; 1,000, \$2.50; 5,000 for \$10.00.

## \$1.00—ONE DOLLAR COLLECTIONS—\$1.00.

Any one of these collections sent postpaid for \$1.00, or six for \$5.00. These low priced collections cannot be changed. There is no discounts on these, except that we will send any six collections for \$5.00. Unless named in collection, the choice of 1st be left with us. Everything will be plainly labeled, and nothing but strong, well-rooted, one-year stock will be sent. If you desire to name the number of collection only, \$1.00 each.

SET No. 22.—Four pear trees and 4 apple trees, all different.

SET. No. 23.—Three cherry trees and 3 pear trees, all different.

SET No. 21.—One pear, 1 cherry, 1 apricot, 1 plum, 2 peach, 2 apple.

SET No. 25.—Twelve grape vines, 2 each of Brighton, Concord, Agawam, Pocklington, Warden and Niagara.

SET No. 26.—Fifteen Concord grape vines or 13, entirely our choice, in 4 varieties.

SET No. 28.—Twenty currants, 6 each of Red Dutch, Cherry, Victoria and White Grape.

SET No. 29.—Forty strawberries, 10 each of Warfield, Parker Earle, Bubach, Haverland.

SET No. 30.—Two grape vines, 2 currants, 5 raspberries 5 blackberries, 2 gooseberries.

SET No. 31.—One Idaho pear, 1 Abundance plum, 1 Champion peach, 1 Diamond grape.

SET No. 32.—Two Downing gooseberries, 2 Red Dutch currants, and one each of Golden Queen, Cuthbert, Shaffer's Colossal and Ohio raspberries.

SET No. 33.—One Pink Lilac, 1 Rose Acacia, 1 Duetzia, 1 Spirea, and 1 Japan quince.

SET. No. 34.—One Trumpet Vine, 1 Red Honeysuckle, 1 Wistaria, 1 Syringa, 1 Spirea.

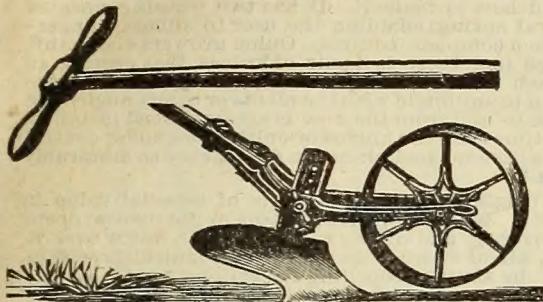
SET No. 37.—Six hardy shrubs, our selection.

SET No. 38.—Six hardy climbing vines, our selection of varieties.

SET No. 39.—Two Norway Spruce, 2 Scotch Pine, 1 White Pine, and 1 White Spruce.

SET No. 40.—Five Norway Spruce, 5 Scotch Pine, and 5 European Larch.

# TOOLS AND IMPLEMENTS.

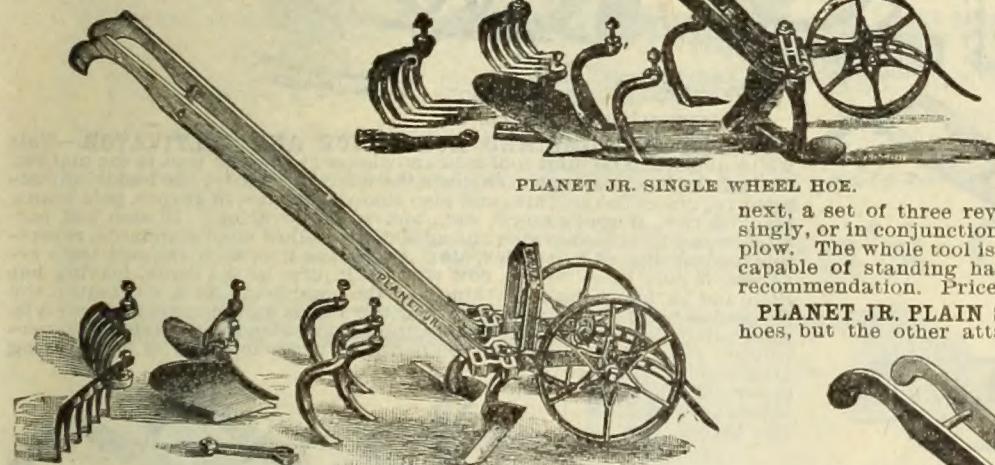


FIREFLY GARDEN PLOW.

an ordinary hand hoe can raise their own vegetables successfully with the Firefly. Will both plow the garden and attend to the cultivating and weeding throughout the gardening season. The moldboard is tempered and polished steel. Price only \$2.00.

**PLANET JR. NO. 3 SEED DRILL.**—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills, either four, six, eight, twelve or twenty-four inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds three quarts. The wheel is thirteen inches high. It is changed in a moment from hill dropping to drill work. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. The plow is adjustable, and opens a very narrow furrow, which is a great advantage for after cultivation. This machine is now offered for the first time, but it has been thoroughly tested by about fifty practical gardeners in various parts of the country, and they all unite in sounding its praises. The manufacturers guarantee it to give satisfaction. Price \$9.00.

**PLANET JR. COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW.**—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely to and from both sides of the row at once, or between rows, working all rows from eight to sixteen inches wide at one passage. As a cultivator, it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth, opening, covering, rolling down and marking the next row all at one passage in the most reliable and perfect manner. Each machine is sent out with the tools shown in the cut. You will be surprised at the great amount of work it will save you. Even if you have only one acre of ground in garden crops, it will more than pay for itself. Price \$9.00.



PLANET JR. SINGLE WHEEL HOE.

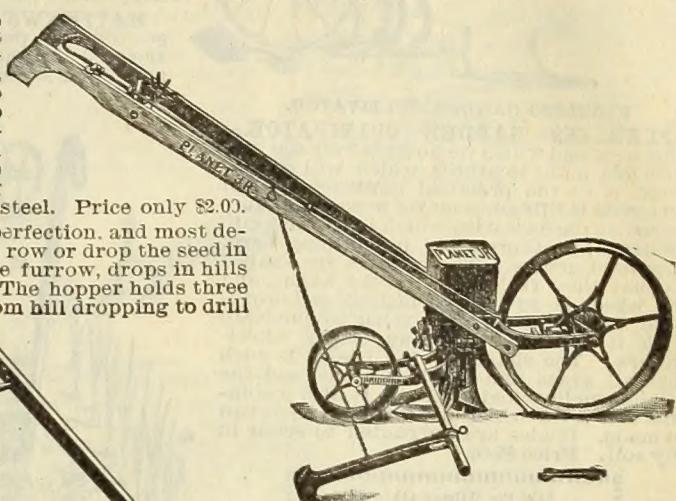
**PLANET JR. DOUBLE WHEEL HOE.**—This popular hoe merits the thorough admiration of every practical gardener. Each tool is sent out with the attachment shown in cut. The arch is high enough to enable the operator to work both sides of the row at once until plants are eighteen inches high; then the wheels can be set to run close together and work between the rows. Leaf guards (detachable) go with each machine, to be used when plants extend into a wide row. This tool is light, very simple, very strong, made of the best material and highly finished, and nothing exceeds the variety and perfection of work it performs. It will do the work of six men with ordinary hand hoes. Price \$6.00.

**THE PLANET JR. PLAIN DOUBLE WHEEL HOE.**—Like the machine just described, except that it has no attachments except one pair of hoes. It is just the thing for onion growers and others who want a hoe only, and at a small cost. Price, \$3.50.

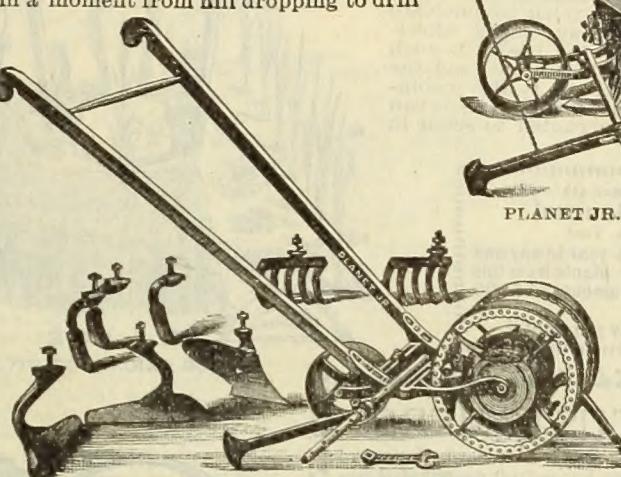
**PLANET JR. HILL DROPPING DRILL (Double Wheel).**—Much like No. 3 seed drill, but it has two wheels, and is for that reason preferred by some gardeners. It holds two quarts and sows all kinds of garden seed with the greatest regularity, either in drills or hills. Price \$10.00.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine to the sickle in the hay field. All of the following tools have been thoroughly tested, and, for their own particular class of work, have given splendid satisfaction. The soil on which they are intended to be used, as well as the use to which you intend to put them, must be well considered. If you desire it, we will send illustrated and descriptive catalogue or circular of any of these tools. Prices are low this year.

**FIREFLY WHEEL GARDEN PLOW.**—It makes the care of a vegetable garden a pleasure, and 10,000 families who could not find time to keep a garden if attempting its cultivation with



PLANET JR. NO. 3 SEED DRILL.



PLANET JR. COMBINED DRILL.

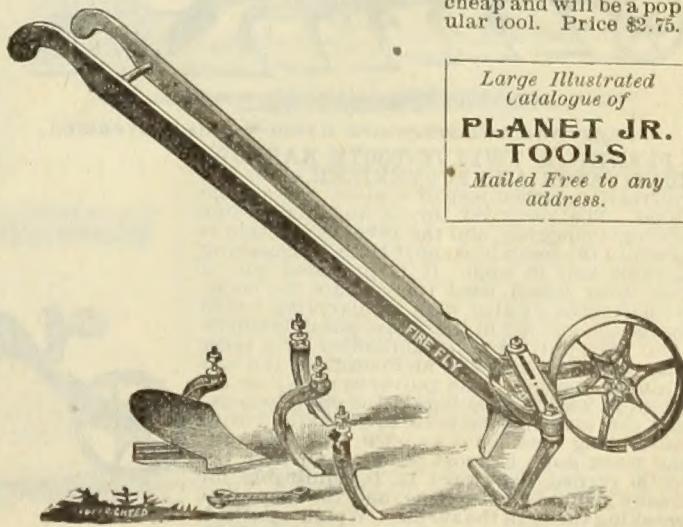
**PLANET JR. NO. 2 SEED DRILL.**—Similar to but larger than Planet Jr. Combined drill holding 2 1/2 quarts. Price \$6.50.

**PLANET JR. SINGLE WHEEL HOE.**—This single wheel hoe is considerably lighter than the double, and does almost the same variety of work; the attachments are nearly identical. Owing to its lightness, it is more pleasant to use than the double wheel hoe. Though intended chiefly to work between the rows, it can be used to hoe both sides at once, while plants are small, by placing the wheel to one side of frame. Price \$4.50.

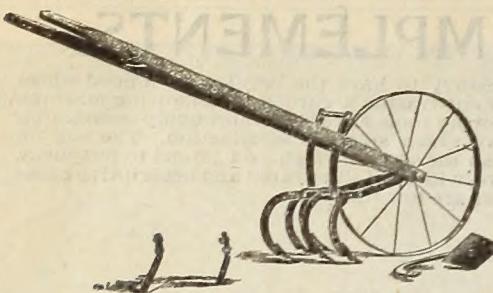
**FIREFLY SINGLE WHEEL HOE, CULTIVATOR AND PLOW COMBINED.**—This convenient tool combines lightness and strength with great adjustability, while its highly polished and tempered tools make gardening comparatively a pleasure. The tools are all made after the most perfect models, and are, first, a pair of hoes, which can be set to work to and from the row, and to any desired depth; next, a set of three reversible cultivator teeth, to be used together or singly, or in conjunction with the hoes; third, a large, excellent garden plow. The whole tool is light and strong, attractive in appearance and capable of standing hard usage for years, while the price is its final recommendation. Price \$8.75.

**PLANET JR. PLAIN SINGLE WHEEL HOE.**—Has only one pair of hoes, but the other attachments may be added later if desired. It is cheap and will be a popular tool. Price \$2.75.

Large Illustrated Catalogue of  
**PLANET JR. TOOLS**  
 Mailed Free to any address.



FIREFLY SINGLE WHEEL HOE.



PEERLESS GARDEN CULTIVATOR.

**PEERLESS GARDEN CULTIVATOR.**—This new tool which we now offer for the first time has many features which will recommend it to the practical gardener. When we tested it this summer we were really surprised at the ease with which it worked, cultivating and thoroughly pulverizing hard, unplowed ground. The handles are shaped so that they rest easily on the hands, and the wheel is so high (23 inches) and broad-tired that it is no more work to cultivate with it than to trundle an empty wheelbarrow. The shape of the blades is such that all grass and weeds are cut, and the soil left mellow and level. It is also a combination from which five distinct tools can be made. Blades are warranted to scour in any soil. Price \$5.00.

Take the Wilmer Atkinson  
Farm Journal

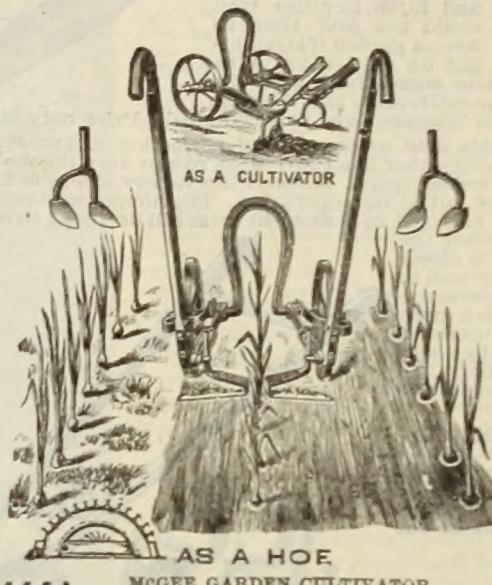
50 Cts. a Year

it will be sent one year to any one ordering seeds or plants from this catalogue to the amount of \$1.00 or over.

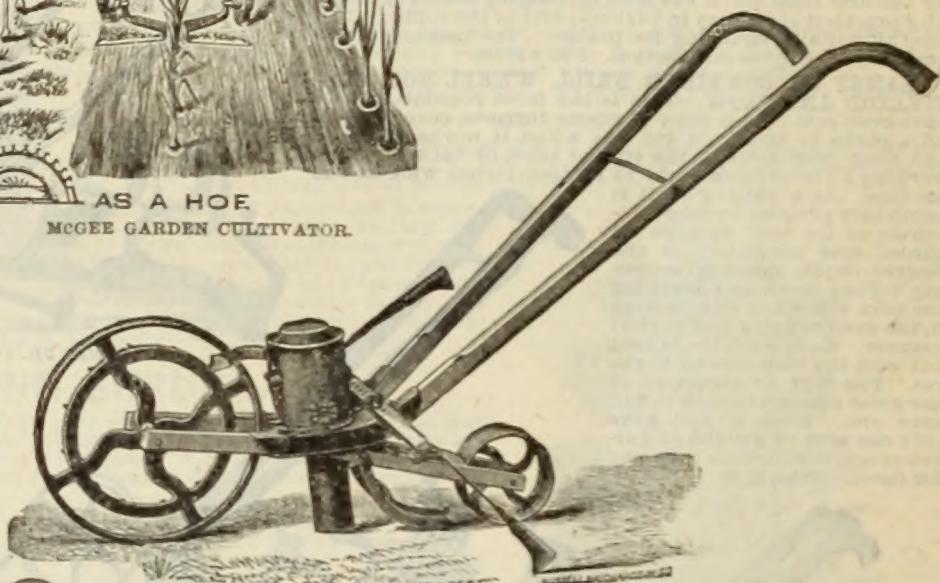
Be sure and say you want it.

## LARGE CUSTOMERS.

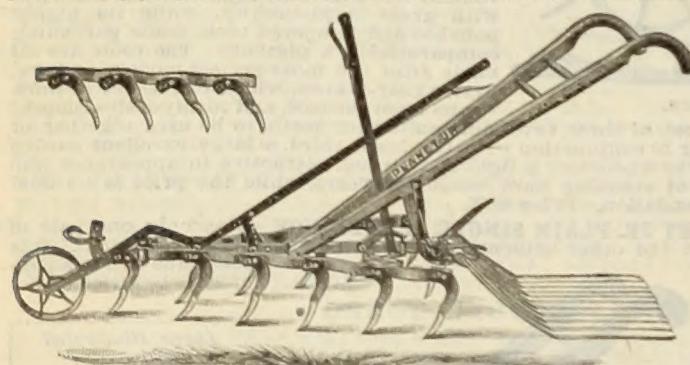
Our orders range from five cents upward and the small orders have just as careful attention as the large ones. Our largest retail order was for \$1,370.77 worth of seed. We had another customer whose purchases amounted to \$1,487.73 for the season, but it was divided up into several orders. Both were perfectly satisfied. We have large customers in the east also. W. P. Turner, of Penna., bought seeds of us to the amount of \$1,397.54, and he says: "I am very well pleased with all seed received from you and it has given perfect satisfaction."



MCGEE GARDEN CULTIVATOR.

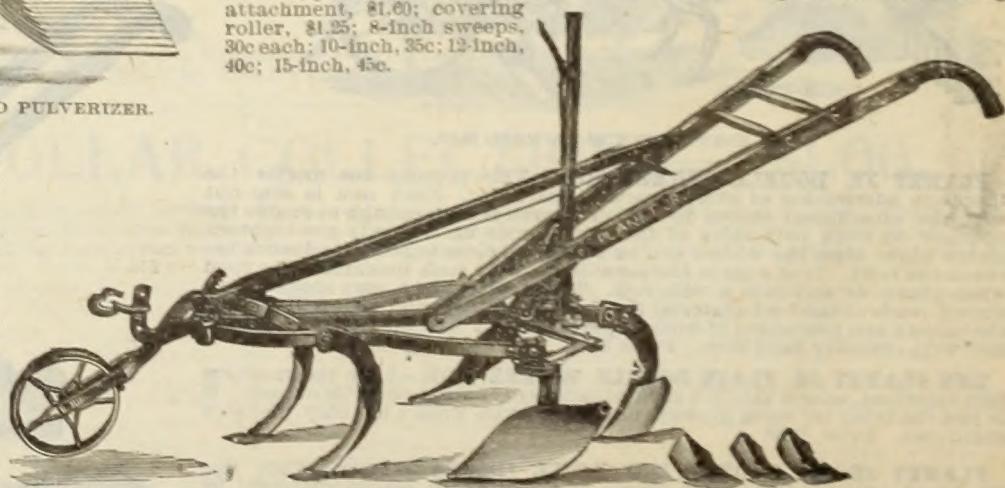


MATTHEWS' SEED DRILL.



PLANET JR. TWELVE-TOOTH HARROW AND PULVERIZER.

**PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER.**—For fine cultivation, either deep or shallow, this has no equal. The recurved throat and high frame prevents clogging, and the reverse position is given to the teeth in a short time by changing a single bolt in each. It is provided with a new lever wheel, used to regulate the depth with exactness; also with a pulverizer, which leaves the ground in the finest possible condition. The pulverizer is controlled by a lever that can be operated in an instant by the foot while in motion. The pulverizer may be reduced in width by taking off the outside teeth, and the tool may be used to straddle a row, cultivating both sides at once. As a harrow, the work done is most perfect, and with the teeth turned backward it is admirable for trashy ground and leveling, and for crops just breaking through the surface. Weight, packed, 60 lbs. Price, \$7.50, or without pulverizer, \$6.25.



PLANET JR. HORSE HOE.

**MCGEE GARDEN CULTIVATOR OR SPRING HOE.**—The invention of a practical onion raiser, who knew just what was wanted and how to make it. It has two wheels connected by an arch attached to frames by a lateral spring, enabling the user to almost "finger-weed" the crop, as the machine is under such complete control. Onion growers claim this is the best cultivator for onions. With each tool there is a pair of knives, that operate as hoes, and a pair of cultivators. These attach to the beam by means of an eye bolt, and are adjusted forward and backward on the beam to any angle with the plants or to any angle with the surface of the ground. The adjustment to and from the row is accomplished instantly by means of the springs, which at the same time keep the knives or cultivators under control and protect the plants. For years there has been no tool placed on the market so admirably adapted for the purpose intended. Price \$4.40.

**MATTHEWS' DRILL.**—This is the old original Matthews, and is of especial value in sowing beet, parsnip and other difficult seeds. When in operation, it opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls the earth down over it, and at the same time marks the next row, all of which is done with mechanical precision,

by simply propelling the drill forward. The agitator stirs the seed in the hopper thoroughly by a positive motion, which insures continuous and uniform delivery, and the bottom of the hopper is made sufficiently dishing to sow the smallest quantity of seed. When desired the movement of the agitator can be checked, and the drill may then be propelled forward or backward without dropping seed. There is also an ingenious device just added by which the seed can be cut off while turning at the ends of rows, thus saving quite a percentage of seed. A simple contrivance accurately gauges a uniform deposit of the seed to any required depth, thus avoiding the risk of planting at irregular depths, or so deep in places as to destroy the seed. Price, \$8.00.

**WIRE FLOWER POT STANDS.**—For strength, beauty of design, and superior finish, our stands are unexcelled, if equalled. The No. 10 illustrated herewith is a very popular style. Price only \$4.25. Many other styles at low prices. Illustrated catalogue free.



**WIRE WINDOW SHELVES.** Thirty-six inches long. Each \$1.00.

**WIRE FLOWER POT BRACKET.**—Very neat and convenient. Each 15c, doz. \$1.50.

**FRUIT PACKAGES.**—Being the oldest and largest dealers in the west in fruit packages, we can furnish you the best stock made at low prices. Ask for illustrated price list of berry boxes, crates, grape baskets, etc.

**SPRAYING PUMPS.**—It does pay to spray; there can be no question as to it, as thousands of experiments in all parts of the country have proven, and it seems to be the only effective method of destroying insects, and fungus growth like rot and mildew. Spraying pumps at \$1.00, \$5.00, \$10.00 and \$11.50 each. Illustrated price list free.

**SCOLLY PLANT SPRINKLERS.**—Large size, \$1.10; small, 75c, postpaid.

**COLUMBIA LAWN MOWER.**—A good practical well-made mower at a very low price. Ask for circular. Price, 14-inch,

\$3.85, or one cutting a 16-inch swath for \$4.25.

**FLUTED FLOWER POTS.**—A handsome new pattern. Price is the same as for common, plain pots, so they are sure to be popular. The following prices per dozen are for pots and saucers: 4-inch, 60c; 5-inch, 75c; 6-inch, \$1.00; 7-inch, \$1.50; 8-inch, \$2.40; 9-inch \$3.00. We make no charge for packing or delivering at depot here. All orders for these must amount to at least \$1.00. Many styles of handsome pots, hanging baskets and vases at very low prices. We have anything you may want.

**PERFECT PLANT FOOD.**—An unsurpassed fertilizer for plants which is prepared especially for plants grown in the house, garden or conservatory; clean, largely soluble in water, producing healthy plants free from vermin, and early and abundant blossoms, to which it imparts a rich and brilliant color. This is manufactured expressly for us and we believe it is the best fertilizer made for house plants. If you grow any plants, it will pay you to try it. Remember, that our Perfect Plant Food is not simply a stimulant, but is a true plant food, which invigorates your plants and makes them bloom. It also makes the color of both foliage and flowers much richer and brighter. Per lb. pkg. 25c, postpaid for 40c; ½ lb. pkg, 15c, postpaid for 25c.

**LAWN FERTILIZER.**—A plant food which will force a luxuriant growth, also a very desirable and beneficial fertilizer for garden use; 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.25, by freight and express.

**SULPHO TOBACCO SOAP.**—In our tests this has proved the most effective of any insecticide, and is perfectly safe to use. Its chief ingredient is the gum of the richest Virginia and Kentucky leaf tobacco. It is formed with whale oil and sulphur, in a soluble state, into a soap. In this form it is very convenient for general use. The soap is easily dissolved in warm or cold water. Per 8-oz. can, 25c, or by mail postpaid for 35c.

**HAMMOND'S SLUG SHOT.**—A combination of the most potent insecticides and most soluble plant food. When you order your seeds, if you have not tried Hammond's Slug Shot, order a 5 or 10 lb. pkg., and use it as per directions given with each pkg. Not prepaid 5 lbs. 35c; 10 lbs. 65c; 50 lbs. \$3.00; 100 lbs. \$5.00; by mail postpaid, 1 lb. 25c; 5 lbs. \$1.00.

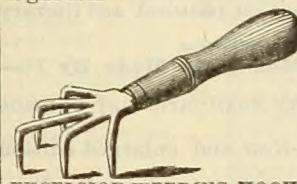
**DUSTERS.**—For Hammond Slug Shot, each 35c.

**LANG'S HAND WEEDER.**—It is, in our opinion, the best weeder made. It's special advantages over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. Price 25c; \$2.50 per doz., or postpaid for 30c each.

**HAZELTINE'S WEEDER.**—One hour's use will repay its cost. Its price, 35c prepaid, is not one-tenth its value for one season's use. Blade is solid steel, oil tempered and has five sharp edges. Price 30c; or postpaid for 35c each. One of the most valuable assistants in cultivating a garden.



**EXCELSIOR WEEDING HOOK.**—This instrument can be used to great advantage among small and tender plants. Price 15c, per doz. \$1.50, or postpaid for 25c each.



EXCELSIOR WEEDING HOOK.

**ROTARY CORN PLANTER.**—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field or need to replant their ground. It puts the corn exactly where you want it and at the proper depth. It is easily worked and is a most satisfactory tool in every way; price \$1.50.

**IOWA BROADCAST SOWER.**—An improvement on the Little Giant in that it retains all its valuable characteristics but instead of working with a fiddle-bow, it is operated with a crank. We have had a large number of these made as we know they will take well with our customers; price only \$2.00.

**LITTLE GIANT HAND BROADCAST SEED-SOWER.**—As can be seen by the illustration, it is simple in construction, light, strong and durable, and the easiest running machine known, having no feed plate to carry, and only weighing three pounds complete. Will sow orchard grass, blue grass, red top, clover, timothy, wheat, etc. Even if you have only a small field to sow it will pay you to have one of these so as to get it distributed evenly. By purchasing a large number for cash we are enabled to offer them at a heretofore unheard of low price; only \$1.50 each.

**HOT BED THERMOMETERS.**—Each \$1.00.

**TREE LABELS.**—3½ inch, notched; per 1,000 50c.

**POT LABELS.**—4-inch, pointed; per 1,000 60c.

**TRELLISES.**—15c to \$2.00 each.

**RAFFIA.**—Excellent for tying asparagus and other vegetables. Gardeners should try this; per lb. 25c.

**GARDEN TROWELS.**—5 inch 15c; 6 inch, 20c.

**FLORISTS TROWELS.**—Extra heavy, each 40c.

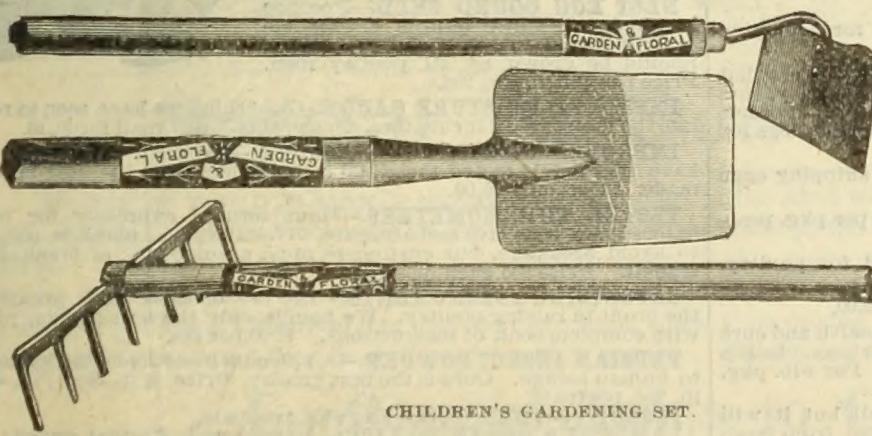
**CONCAVE AND CURVED SEED POTATO KNIFE.**—Each 35c, postpaid.

**GARDEN TOOLS.**—Hoes, rakes, spades, scuffle hoes, etc. A great variety at low prices.



LITTLE GIANT.

## The Children's Garden.



CHILDREN'S GARDENING SET.

Give your boys and girls a garden. Provide a means of healthy exercise and recreation and you will certainly be surprised at the enthusiasm and love of nature which is aroused by daily work among the plants, from the first preparing of the ground and sowing the seed through the weeks of watching, the growth and cultivating until the harvest. To encourage gardening for the young, we offer these sets at low prices. They are also nice tools for ladies to use in the flower garden. The purchaser pays the express charges on all of these. No. 20 consists of a steel spade, steel hoe, and six-tooth rake. Handles twenty inches long. Price for the set, 15c. No. 100 consists of a steel spade, steel hoe, and a six-tooth malleable rake. Handles 30 inches long. Price for the set, 25c. No. 30 consists of a cast steel 5x4x3½ spade with T handle, steel hoe, and seven tooth malleable rake. Polished blades and varnished handles thirty inches long. Price complete, 50c. No. 14, larger size for ladies. Just what is wanted for the flower garden. Set, \$1.00.

**CHILDREN'S VEGETABLE COLLECTION** Collection No. 10 contains one packet each of BEET, CUCUMBER, LETTUCE, RADISH, POP CORN and SUNFLOWER. In all, six packets, our choice of varieties, for ONLY FIFTEEN CENTS, POSTPAID.

**CHILDREN'S FLOWER COLLECTION** Of course the children want some flowers and to encourage them we offer one packet each of SIX CHOICE VARIETIES, all easily grown, and will bloom the first year for FIFTEEN CENTS, our selection of varieties.

**REDDICK MOLE TRAP.**—All the old traps boiled down into a better one at one-third the old price; a first class trap. No mole can pass under this trap and live. Price \$1.00 each.

**BIRD SEED.**—Clean, fresh seed. Postage 10c per lb. extra: Canary, 8c per lb.; Russian Hemp, 8c per lb.; Rape, 10c per lb.; Sunflower, 10c per lb.; Maw, 5c per oz.; Mixed Bird Seed for Canaries, 8c per lb.; Mixed Seed for Parrots, 15c.; Cuttle Bone, 3c each, 25c per doz.

## VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price:

**Henderson's Gardening for Profit.**—New edition. By Peter Henderson. Price \$2.00.

**Onions: How to Raise Them Profitably.**—Being the practical details by seventeen practical onion growers. Price 20c.

**Celery.**—By G. Bochov & Bro. Price 50c.

**The A B C of Potato Culture.**—By T. B. Terry. Revised. Price 40c.

**Fitz's Sweet Potato Culture.**—Cloth. Price 60c.

**Brill's Farm Gardening and Seed Growing.**—By Francis Brill. Price \$1.00.

**E. P. Roe's Play and Profit in My Garden.**—The author shows how he evoked a profit of \$1,000.00 while carrying on pastoral and literary labor. Price \$1.50.

**Asparagus Culture.**—The best methods. Price 50c.

**Our Farm of Four Acres, and the Money We Made By It.**—Price 30c.

**Ten Acres Enough.**—Showing how a very small farm may be made profitable. Price \$1.00.

**Henderson's Practical Floriculture.**—New and enlarged edition. Price \$1.50.

**Practical Fruit Grower.**—By S. T. Maynard; 124 pages, fully illustrated. Price 25c.

**Farmer on the Strawberry.**—Price 25c.

**Guide to Floriculture.**—A most instructive little book, full of information about growing flowers in the house and in the open ground. Very good and practical. Contains also a monthly calendar of operations which are of great value. Price 25c.

**Fuller's Grape Culturist.**—Best work on the culture of hardy grapes. By A. S. Fuller. Price \$1.50.

**Fuller's Small Fruit Culturist.**—Price \$1.50.

**Art of Propagation.**—Price 25c.

**Canning and Preserving.**—By Mrs. S. T. Rorer. Price 40c.

**Complete Text Book on Silk Culture.**—Full of interest in regard to silk culture which is a pleasant and profitable business for ladies. Price only 5c.

## POULTRY BOOKS.

**American Standard.**—Every poultry breeder should have this for a guide if he intends to keep or show fancy pure bred fowls. Price \$1.00 postpaid.

**Philosophy of Judging.**—A companion to the Standard. Price \$1.00.

**Poultry for Pleasure and Profit.**—A 48-page book containing instructions for every one who keeps poultry. Price 25c.

**Practical Poultry Keeper.**—62 pages, quite complete and valuable. Price 10c.

**Some of Lee's Ideas.**—On poultry breeding. Price 50c.

**Art of Incubating and Brooding.**—Invaluable to large breeders; 60 pages. Price \$1.00.

**Possum Creek Poultry Club.**—By Uncle Rastus (J. H. Davis). A humorous book of 110 pages on poultry culture. Price 35c.

**Pigeon Queries.**—Of interest to pigeon breeders. Price 25c.

**500 Questions and Answers.**—On poultry breeding. Price 25c.

**A B C of Poultry.**—A practical book for the beginner. Price 25c.

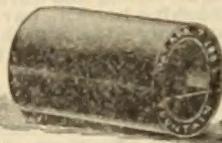
**Low Cost Poultry Houses.**—Illustrated with numerous plans and specifications. Price 25c.

**Special.**—Any five of the above 25 cent books for \$1.00.

## POULTRY SUPPLIES.

The annual sales of poultry and eggs in Iowa amount to several times the value of the fruit crop, and still it is surprising to see how little attention is paid to this business, the possibilities of which are almost beyond estimation. We handle a complete line of poultry supplies and are constantly testing the new inventions in this line and are particular to handle only the best, which we are sure will please our customers. Prices are subject to important market changes. We will be glad to name special figures on large lots.

**PAUL'S STONEWARE DRINKING FOUNTAIN.**—For poultry, pigeons and bees. These fountains keep the water cool and clean, and prevent the birds from getting wet. Price two-quart size, 25c; doz. \$2.50; gallon size, 35c, doz. \$3.50; two-gallon size, 50c, doz. \$5.00.



**BROCKTON POULTRY FOUNTAIN.**—Indestructible galvanized iron—will last a life-time. Price, \$1.25.



of soft, pliable, brass band. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Impossible for the bird to loosen and will not injure the leg. Price, 25c per doz., \$1.75 per 100 postpaid.

**POULTRY WIRE NETTING.**—The best make, thoroughly galvanized to prevent rusting, properly twisted, made of No. 16 wire and of 2-inch mesh. It is put up in rolls 150 feet long, and of various widths. Price per roll as follows: 18 inches wide, \$1.30; 24-inch, \$1.70; 36-inch, \$2.50; 48-inch, \$3.25; 60-inch, \$4.20; 72-inch, \$5.00; 5 rolls or more at 10 per cent discount. Half rolls at 1 cent per square foot.

**GALVANIZED STAPLES.**—For putting up netting. Per lb. 10c.

**CRUSHED OYSTER SHELLS.**—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price 10 lbs. 35c, 25 lbs. 50c, 100 lbs. \$1.50, 200 lbs. \$2.50.

**WEBSTER & HANNUM BONE CUTTERS.**—Very popular in some localities. No. 1, each \$10.00; No. 2, each \$12.00.

**MANN'S GREEN BONE MILL.**—Price \$19.00. Same for attaching to post, \$16.00.

**DAISY-BONE CUTTER.**—We have tried all kinds of bone cutters that we know of and this work most decidedly the best. Turns easy, cuts fine and fast, and is simple in construction, nothing to get out of order. Weight, 130 lbs. Price, \$18.00; our price only \$16.00; or without legs for \$13.50.

**CLIMAX EGG BASKET.**—The best basket made for shipping eggs for hatching. Price per 10, 50c; 50 for \$2.25; 100 for \$4.00.

**BISDEE' ROUP SPECIFIC.**—Best cure for roup. \$1.00 per pkg. postpaid.

**CRACKER CRUMBS.**—An excellent and cheap food for poultry, especially for young chicks. Price \$1.50 per barrel.

**LINSEED OIL MEAL.**—10 lbs. 35c, 25 lbs. 75c, 100 lbs. \$2.00.

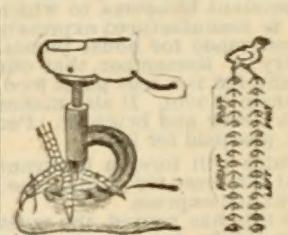
**PEEL'S POULTRY FOOD.**—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. Per 4-lb. pkg. 50c, 1½-lb. pkg. 25c. Postage 16c per lb. extra.

**CRUSHED RAW BONE.**—Really better than the shell, but it will pay to use both. Of the best quality, being manufactured from fresh bones. Price, 10 lbs. 40c, 25 lbs. 75c, 100 lbs. \$2.25.

**FINE BONE MEAL.**—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs. 40c, 25 lbs. 75c, 100 lbs. \$2.25.

**SUNFLOWER SEED.**—One of the best egg producing foods known, and will keep your poultry in fine condition and give a gloss to the plumage. Per lb. postpaid, 25c; by express, 10 lbs. or more, 8c per lb.

**GAPE WORM EXTRACTOR.**—Price 15c each, 4 for 50c postpaid.



**SPONGIA TABLETS.**—For curling roup. 10c per doz., 4 doz. for 25c, postpaid.

**PORCELAIN NEST EGGS.**—5c each, 30c per doz.

**HEMP SEED.**—Used largely for feeding birds and pigeons. Per lb. 8c.

**FRENCH POULTRY KILLING KNIFE.**—Best and most humane method of killing. Price 50c, postpaid.

**WEBSTER CLOVER CUTTER.**—This new machine is a small affair, but cuts quite rapidly. Price \$3.00.

**WILSON'S BONE MILL, No. 1.**—One of the greatest conveniences about a poultry house. Not only will they grind shell and dry bone, but are also just the thing to crack wheat or corn for little chicks; grind charcoal to mix with soft feed; grind up dry bread crusts, etc. Price \$4.50.

**NEST EGG GOURD SEED.**—Produce hundreds of white gourds closely resembling eggs in size, color and shape. Should be grown by all poultry men. Price per pkt. 5c, oz. 25c.

**IMPROVED MOISTURE GAUGE.**—Best thing we've seen to regulate the moisture in incubators. Price, \$1.00, or by mail, \$1.15.

**IMPROVED OLENTANGY BROODER.**—Capacity have thoroughly tested these and believe them to be made. Price, only \$6.00.

**TESTED THERMOMETERS.**—Manufactured ex-bators: very sensitive and accurate. We take great care to avoid breakage, but customers must assume responsibility for transit. Price 80c each, postpaid.

**CAPONIZING INSTRUMENTS.**—The use of these instruments will greatly increase the profit in raising poultry. We handle only the best, with complete book of instructions. \$2.00 per set.

**PERSIAN INSECT POWDER.**—A splendid insecticide, but harmless to human beings. Ours is the best quality. Price, ¼ lb. 25c, ½ lb. 50c, postpaid.

**INSECT POWDER GUN.**—Each 10c, postpaid.

**LAMBERT'S DEATH TO LICE.**—A cheap and effective remedy for all kinds of poultry vermin, moths, lice on horses, fleas on dogs, etc. Price, 25c per pkg. of about 1 lb.

**INCUBATORS.**—It is the most important thing for a breeder to have a perfect incubator, and we can recommend the Improved Monitor, which has been a stand-by for many years. It will not pay you to buy a cheap model, as it is more expensive in the long run. Price of either the Improved Monitor, 100 egg capacity, \$25.00; 200 egg capacity, \$35.00; 300 egg capacity, \$45.00.